With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office ... MON. OCT 18 1920

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

Date of completion of report 15/10/20 Port of Hull No. 32213

Survey held at Selby & Hull. Date, First Survey Mar 3. Last Survey Oct 11 1920.

On the (State if Single, Twin, or Triple Screw) S.S. "SUTTON" Rig Schooner 3 masts.

CLASS ✠ 100 A1.

			FEET.
TONNAGE under Tonnage Deck	339.68	Breadth (greatest moulded)	25.00
Do. between Tonnage Dk. and 3rd and 4th Dk.		Depth, at middle of length from top of keel to top of upper deck beams at side	12.00
Total under Upper Dk.		Transverse Number	37.00
Do. of Poop	66.84	Length on deck from fore part of stem to after part of stern post	152.00
Do. of R.Q.Dk.	12.95	Longitudinal Number	5624
Do. of Bridge House	19.89	Depth "d," at middle of length (See Secs. 2 & 13)	11.02
Do. of Forecastle	7.27	Proportions—Depths to Length—Upper Deck Beam at side to top of keel	12.66
Do. of Houses on Dk.	18.63	" " ~~Long Bridge~~ R.Q. Deck Beam at side to top of keel	9.80
Do. of excess of Hatchways	20.03		
Do. above Crown of Engine Room	485.24		
Gross Tonnage	31.12		
Less Crew Space	20.03		
Less above Crown of Engine Room	434.19		
Tonnage for Fees	209.41		
Less Engine Room	34.75		
Less Navigation Spaces	209.96		
Register Tonnage as cut on Beam			

Master

Year of appointment (1) As Master in service of owner of present vessel:—191 (2) As Master of this vessel 191

Built at Selby.

When built 1920 Launched 17.6.20

By whom built Cochrane & Sons Ltd.

Owners The Overton S.S. Co. Ltd.

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

Residence Liverpool

Port belonging to Liverpool

Destined Voyage Coasting If Surveyed while Building & Afloat, or ~~in Dry Dock~~ yes

	Feet.	Inches.		Feet.	Inches.		Feet.	Inches.	
LENGTH on Deck as per Rule	152	0	BREADTH— Moulded	25	0	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	11	0	No. of Decks with flat laid one
						Do. do. do. do. Second Dk. Beams			No. of Tiers of Beams one

Dimensions of Ship per Register, Length 152.6 breadth 25.25 depth 10.80. Moulded depth, ft. ✓ ins. ✓ To Bridge Dk. Moulded depth, ft. 12 ins. 0 To Upper Dk. Round of Upper Dk. Beam, Actual 6¼ ins.

FRAMING.

	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as	Inches per Rule As Approved.	Inches per Rule Approved.
FRAME, ~~Angles, or E or L~~ Bars amidships	4½	3	.40	4½	3	.40
Do. in peaks	4½	3	.40	4½	3	.40
" " WAY OF RQ. DECK	6	3	.35	6	3	.35
Do. in way of Double Bottoms at Solid Floors						
" " at intermdt. Bkts.						
Spacing of Frames from centre to centre amidships					21½	
" " " " from ¾ length to Collision bulkhead						
" " " " in peaks						
REVERSED FRAME, Angles	2½	2½	.35	2½	2½	.35
~~Do. in way of Double Bottoms at Solid Floors~~ Straight across						
" " ENGINE SPACE ~~at intermdt. Bkts.~~	5	5	½	5	5	½
" " BOILER SPACE	3½	3½	.43	3½	3½	.43
FRAMING, depth of girder	✓					
FLOORS, depth and thickness of Floor Plate at mid-line for ¾ length amidships	18		.35	18		.35
" in way of Engine and Boiler Spaces	E.40	B	.47	E.40	B	.47
" thickness at the ends of vessel			.35			.35
" depth at ¾ the half breadth, as per Rule	Straight across					
" height extended at the Bilges						
FLOORS in Cell. Double Bottoms						
" state if flanged (top & bottom)						
" Spacing of Solid floors						
CENTRE GIRDER, in Dbl. bottom, dpth. & thicknss.						
" " Angles, Top						
" " " Bottom						
" " " to Floors						
" Brackets at intermdt. frmg., wdth & thknss						
SIDE GIRDERS, number on each side & thickness						
" " state if flanged (top and bottom)						
" " Angles (top and bottom)						
" " " to Floors						
MARGIN PLATE, depth (exclusive of flange) and thickness						
" " Angle to Outside Plating						
" " " Floors						
" Brackets at intermdt. frmg., wdth & thknss						
" Height of Outside Brackets above at bilge						
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake						
" " " in Engine and Boiler space						
" " " Remainder in Holds						
BEAMS, Upper Deck, Single Angle, ~~Bulb Angle, Plate, Tee Bulb, or Channel~~	5	3	.30	5	3	.30
" ~~In way of Long Bridge~~ 2 BEAMS	4	2½	.28	4	2½	.28
" Spacing	2½			2½		
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						
" Spacing						
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						
" Angles on upper edge						
" Spacing						
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						
" Angles on upper edge						
" Spacing						
BEAMS, Bridge Deck, Angle, ~~Bulb Angle, Plate, Tee Bulb, or Channel~~	5	3	.37	5	3	.37
" ~~Angles on upper edge~~						
" Spacing	alternate frames					
BEAMS, Forecastle Deck, Angle, ~~Bulb Angle, Plate, Tee Bulb, or Channel~~	5½	3	.37	5½	3	.37
" ~~Angles on upper edge~~						
" Spacing	alternate frames					

PILLARS.

	Inches. Size in Ship.	Inches. Spacing in Ship.	Inches per Rule. Or as	Inches per Rule. Approved.
PILLARS In 'tween Deck, size and spacing	2¾" diam & Built pillars			
" " Hold " "	channel 8×3 × .40 × 189			
" Quarter 'tween Dks., " "	6×3 × .35 & A 3×3×.37			
" " in Hold " "				

KEELSONS & STRINGERS.

	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as	Inches per Rule As Approved.	Inches per Rule Approved.
CENTRE LINE KEELSON, ~~Vertical Plate above floors, Through Plate, or~~ Intercostal Plate			.40			.40
" ~~Rider Plate~~						
" Flat Plate Keel Angles DOUBLE	3½	3	.40	3½	3	.40
" Horizontal Plates on Floors						
" ~~Angles or~~ Bulb Angles DOUBLE	6	3	.40	6	3	.40
SIDE KEELSONS, Number ONE						
" ~~Angles or~~ Bulb Angles DOUBLE	6	3	.35	6	3	.35
" Plate above floors, for ✓ length						
" Intercostal Plate, for FULL length			.30			.30
" Attached to outside Plating with Angle	3	3	.35	3	3	.35
BILGE KEELSON, BULB Angles SINGLE	6	3	.35	6	3	.35
" Intercostal Plate for FULL length			.30			.30
" Attached to outside Plating with Angle	3	3	.35	3	3	.35
SIDE STRINGERS, Number RQ DS TWO MAIN DECK ONE						
" " Angle	5	3	.35 .30	5	3	.35 .30
" Intercostal Plate, for FULL length			.25			.25
" Attached to outside plating with Angle	3	3	.30	3	3	.30
Upper Deck Stringer Plate, br'dth & thickness (~~clear of Bridge~~)	60" × .37	.35		60 × .37	.35	
" " " br'dth & thickness (~~in way~~ of Bridge)		.54			.54	
AT BREAK " " Angle (~~clear of Bridge~~)	3×3×.40	.30		3×3×.40	.30	
" " Tie Plate at sides of Hatchways						
" Deck.* ~~Iron or~~ Steel, for FULL lng.		.30	.28		.30	.28
" " Thickness (clear of Bridge)						
" " " (in way of Bridge)						
" Wood Deck. Material & thickness						
Second Deck Stringer Plate, br'dth & thickness						
" Angles on ditto, No.						
" Tie Plates outside Hatchways						
" Deck.* Iron or Steel, for lng.						
" Wood Deck. Material & thickness						
Third Deck Stringer Plate, br'dth & thickness						
" Angles on ditto, No.						
" Tie Plates, outside Hatchways						
" Deck.* Material and thickness						
Fourth and Fifth Deck Stringer Plate, breadth & thickness						
" " " Angles on ditto, No.						
" " " Tie Plates outside Hatchways						
" " Deck. Material & thickness						
Poop Deck Stringer Plate, breadth & thickness						
" Angle on ditto						
" Tie Plates						
" Deck. Material and thickness						
Bridge Deck Stringer Plate, br'dth & thickness	27		.24	27		.24
" Angle on ditto	3×3×		.24	3×3×		.24
" Tie Plates	42		.25	42		.25
" Deck. Material and thickness P. PINE	5"×3"					
Forecastle Deck Stringer Plate, b'dth & th'kns			.26			.26
" Angle on ditto	3×3×		.30	3×3×		.30
" Tie Plates						
" Deck. Material and thickness STEEL			.26			.26
SHEATHING P. PINE	5×3					

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

Form No. 1A.—1m,9,17. T.

WEB FRAMES.

	Inches in Ship.	Inches in Ship.	Inches per Rule. Or as Approved.	Inches per Rule. Or as Approved.
WEB-FRAMES, In Fore Body, No. and spacing	4		4	
" " " brdth. & thickness	12×.40	BULB	12×.40	BULB
" No. of Side Stringers " "	1		1	
WEB-FRAMES, In E. & B. Space, No. & spacing	12×.40	BULB	12.40	BULB
" " " brdth. & thickness	7			
WEB-FRAMES, In After Body, No. and spacing	3		3	
" " " brdth. & thickness	12×.40	BULB	12.40	BULB
" No. of Side Stringers " "	2		2	
Size of Face Angles to **Web-Frames**				
BRACKET PLATES to Stringers between Web Frames, depth and thickness				

FORGINGS or CASTINGS.

	Inches in Ship.	Inches per Rule, Or as Approved.
KEEL, Bar, depth and thickness		
STEM, moulding and thickness	6×1⅝	6×1⅝
STERN-POST for Rudder do. do.	5¾×3½	5¾×3½
" for Propeller	6×3½	6×3½
RUDDER—A×D* Table 22. Speed UNDER 10 KNOTS	87.6	
" **Main-Piece,** diameter at head	5	5
" " " at heel	3¾	3¾

BULKHEADS.

	Number. Vessel.	Number. Per Rule.	Thickness. Inches.	Stiffeners. Horizontal. Size. Inches.	Horizontal. Spacing Inches.	Vertical. Size. Inches.	Vertical. Spacing Inches.	Single or Double Frames.	Height up, state deck.
W.T. BULKHEADS FRAME No. 29	3	3							
	No. 2		.40-.26	SEMI BOX GIRDER		8×7½×3×½	30	SINGLE	DECK
D° No. 5	No. 3		.36-.26			8×5½×7/16	24	D°	D°
D° No. 73 **" COLLISION "**	No. 1		.35-.20	HF FLAT		8×5½×7/16 & 9×4×7/16	24	D°	D°
PARTITION "									
LONGITUDINAL "									

Are the outside Plates doubled two spaces of Frames in length? Approved Lines

~~Are~~ the Sluice Valves and Watertight Doors in efficient working order? ✓

RUDDER, how constructed Built Single plate

" Thickness of ~~Plates or~~ Single Plate .86

Can the Rudder be unshipped afloat? Yes

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, Plating, &c.? Open Hearth South Durham, Consett, Cargo Fleet, Palmers.

Has the Steel been tested as required by the Rules? Yes

PLATING.

STRAKES.		As in Ship. Amidship. Breadth.	Amidship. Thickness.	Forward. Thickness.	Aft. Thickness.	Per Rule or as Approved. Amidship. Breadth.	Amidship. Thickness.
		Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
Flat Plate Keel (If Bar Keel, state Rivetting.)	OUT	35	.57	.57	.50	35	.57
Garboard or Strake	A		.43	.35	.43		.43
State actual thickness in way of Double Bottom.	B OUT		.43	.35	.43		.43
	C IN		.37	.32	.32		.37
	D OUT		.37	.32	.32		.37
	E IN		.37	.32	.32		.37
MAIN SHEER	F OUT	33	.45	.35	.35	33	.45
Roᵈ SHEER	G IN		.38		.32		.38
	H "						
	J "						
	K "						
	L "						
	M "						
	N "						
	O "						
	P "						
	Q "						
	R "						
	S "						
	T "						
	U "						
	V "						
	W "						

Write "Bridge Sheer Strake" and "Upper Deck Sheer Strake" opposite the corresponding letter.

Th'kness of Sh'strke clear of Long Bridge	Main Shee increased to .75 at
Do. of Strake below	Break of Bridge
Dblg. of Flat Plate Keel	Raised Quarter Deck & Shee
" Sheerstrakes (Length and thickness.)	increased to .50 at Break.
Poop Sides	
Short Bridge Sides	
Forecastle Sides	

* *Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.*

RIVETING.

Upper edges, Ordinary or Joggled? ORDINARY

	Single or Double.	Breadth of Laps. Inches.	Rivets. Diam. Inches.	Rivets. Spacing cr. to cr. Inches.	Double or Treble or for what Length.	Butts. Rivets. Diam. Inches.	Butts. Rivets. Spacing cr. to cr. Inches.	Butts. Straps. Breadth. Inches.	Butts. Straps. Thickness. Inches.	If Lapped. Breadth. Inches.	If Lapped. For what Length. Feet.
Flat Plate Keel	D.R.	4½	3/4	3	TR. FULL	3/4	2⅜			9	FULL
Garboard or Strake A	"	"	"	"	DR. FULL	3/4	"			5	"
B	"	"	"	"	"	"	"			"	"
C	"	"	"	"	"	"	"			"	"
D	"	"	"	"	"	"	"			"	"
E	"	"	"	"	"	"	"			"	"
MAIN SHEER F	"	"	"	"	TR. 2L	"	"	14¼	.52		
Roᵈ SHEER G	"				"				.44		
H											
J											
K											
L											
M											
N											
O											
P											
Q											
R											
S											
T											
U											
V											
W											

Upper Deck Stringer Plate { **Butts,** Dbl riveted for Full length amidship. **Straps,** ~~single, double or~~ overlapped for Full length amidship.

Second Deck Stringer Plate { **Butts,** ✓ riveted for ✓ length amidship. **Straps,** single or overlapped for ✓ length amidship.

Butts of Side Stringers Treble riveted.

" **Tie Plates** – riveted.

Inner Bottom Plating, riveting of **Edges** – **Butts** –

Centre Girder Butts, Treble riveted. **Keelson Butts,** Treble riveted.

Frames, riveted through Plates with 3/4 in. Rivets, about 5½ apart.

Rivets, state whether Iron or Steel Iron

FRAMES extend in one length from Keel to Deck State if ordinary or joggled ordinary

REVERSED FRAMES on floors and frames extend from Bilge to Bilge State if ordinary or joggled ordinary

MASTS, SPARS, &c.

		Material.	Total Length.	Diameter and Thickness. At Partners.	Heel.	Hounds.	Head.	No. of Plates in round.	Angles. Number.	Angles. Size.	Riveting. Seams.	Riveting. Butts.
Lower Masts	Fore	P. PINE	POLE	14	14	12	5					
	Main	D°	"	14	14	12	5					
	Mizen	D°	"	9								
Bowsprit												

~~Topmasts, Yards and~~ Remainder of **Spars** P. PINE

Rigging, Material and Size, **Shrouds** Galv. Steel Wire **Stays** Galv. Steel Wire

Sails. one Suit of Canvas Sails, and the following spare sails ✓

Form No. 1A

EQUIPMENT No. 6261 LETTER . ANCHORS. TONNAGE U. DK. OR PLATING No. FOR TRAWLERS

Number of Certificate.	Anchors.	Weight, Ex. Stock. Cwts.	qrs.	lbs.	Weight of Stock. Cwts.	qrs.	lbs.	Test, per Certificate. Tons.	cwts.	qrs.	lbs.	Weight required by Table 31. Cwts.	qrs.	lbs.	Description of Anchor	Makers.	Where and when tested and Superintendent.
83181	1st Bower	12	0	14	STOCKLESS			13	19	2	21	12	0	0	STOCKLESS	Taylor & Sons	N. 24.4.20 Green
83183	2nd "	12	0	12	D°			13	19	2	21	12	0	0	D°	D°	N. 26.4.20 D°
83178	3rd "	8	3	10	D°			11	0	0	0	8	3	0	D°	D°	N. 22.4.20 D°
	4th "																
	Collective weight.	33	0	8								32	3	0			
83380	Stream	4	1	14	1	0	22	6	15	0	0	4	1	0	ORDINARY	D°	N. 27.5.20 D°
83381	Kedge	2	0	6	0	2	14	4	12	2	0	2	0	0	D°	D°	N. 27.5.20 D°

If Patent state Name of Patentee. *If Stockless state Mechanical Tests.*

Particulars of **Drop Test** of Cast Steel Anchors, viz.:—Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower

2nd "

3rd " Forged

4th "

CHAIN CABLES.

Number of Certificate.	Length and size supplied. Length. Fathoms.	Diam. Ins.	Test per Certificate. Statutory. Tons.	Breaking. Tons.	Weight of Chain Cable. Supplied. Cwts. qrs. lbs.	Per Rule. Cwts. qrs. lbs.	Length and Size per Table 31. Length. Fathoms.	Diam. Ins.	Description.	Makers of Cables.	Where and when tested, and Superintendent.
70703	195	1⅝	22¾	34⅛	131.3.15	126.1.0	195	1⅝	STUD	Taylor & Sons	N. 21.5.20 Green
~~Iron~~ Stream ~~Chain or~~ Steel Wire	60	2¾	15½					Cir.			

HAWSERS AND WARPS.

Material.	Length and Size supplied. Length. Fathoms.	Cir. Ins.	Breaking Test of Steel Wire Towline. Tons.	Length and Size per Table 31. Length. Fathoms.	Cir. Ins.
TOWLINE					
HAWSERS & WARPS	75	2⅝	15	75	2⅜
" "	90	2		90	2
" "					

Boats Two **Steering Gear, Steam** Carron Co. **Steering Gear, Hand** Combined

Pumps, Number Three Diameter of Barrel 4" State whether they are in efficient working order Yes

Windlass is Steam Clark Chapman & Co **Capstan** Steam Aft.

Engine Room Skylights.—How constructed? Steel plates & angles What arrangements for deadlights in bad weather? Storm caps & bullseyes

Coal Bunker Openings.—How constructed? Steel plates & angles How are lids secured? Chals & battens Height above deck? on casing top

Number of **Scuppers,** and numbers and dimensions of **Freeing Ports, &c.** 6 scuppers, 3 ports 24×16 & 2 @ 36×20 in side

Ceiling in Holds, thickness and material 2½ N. Pine **Cargo Battens,** thickness and material 6×3 N. Pine

Cargo Hatchways.—How formed? Steel plates & angles **Hatches,** If strong and efficient? Yes 2½ solid

State size **No. 1 Hatch** (Forward) 26'-8"×13'-0" **No. 2 Hatch** 23'-3½"×13'-0" **No. 3 Hatch** **No. 4 Hatch**

Number of **Web Plates, Shifting Beams** ~~and Fore and Afters~~ to each Hatch 5 in No. 1 & 4 in No. 2

No. of Breasthooks 3 **No. of Crutches** Deep floors

Bulwarks, height above deck and description Steel 3'-0"×.25 Main Rail, material and size Lypack No. 15 Bl

The foregoing is a correct description. *Surveyor's Signature* Matthew Blackwood

Builder's Signature (here only) D. M. Cochrane

Surveyor to Lloyd's Register of Shipping.

D. M. COCHRANE & SONS, LTD.

.....DIRECTOR

Correspondence.—State dates and initials of letters respecting this case (*Reference should be made in any correspondence connected with the case*) Secretary's letters. M. 25.10.19, 1.11.19, 27.11.19, 1.1.20, 14.9.20, 15.9.20, E 17.3.20, 26.3.20.

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. 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 in accordance with the approved plans, the Secretary's letters referred to above and in general conformity with the Rules of this Society.
The materials and workmanship used throughout are good.

SISTER VESSEL S.S. "WESTON" HULL RPT. No. 32192

The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with F.E. Report showing vessel as built.

The amount of Entry Fee ..... £ 2 : 0 : 0 Fees applied for, 13/10 1920

Special Survey Fee.... £ 21 : 14 : 0 Received by me, 18/10/20 1920

Travelling Expenses, if any £ 1 : 3 : 5

Certificate to be sent to Hull *Date of issue* 1.11.20.

State whether the Vessel has been built under Special Survey Yes

I am of opinion this Vessel should be Classed ✠ 100 A.1.

With, or without Freeboard, as condition of Class Without

Matthew Blackwood

Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI OCT 22 1920

Character assigned 100 A1

Lloyds Reg. P.

Lt Hull

+ LM 6.10.20

The Surveyors are requested not to write on or below the Committee's Minute.

GENERAL REMARKS—(*continued*).

PARTICULARS FOR RECORD in the **REGISTER BOOK.**—Length of Poop ✓ ft., R.Q.D. 86·0 ft., Bridge 9·0 ft., Forecastle 25·0 ft. (in feet and tenths). When the Poop 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 should appear in the Register Book*) 1 Dk. STL

Official No. 143676; Signal Letters ; State if Machinery is fitted aft Mach. aft.

How are the surfaces preserved from oxidation? Inside 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.
Double bottom, aft,		
Double bottom, under Engines and Boilers,		
Double bottom, if under Engines only,		
Double bottom, if under Boilers only,		
Double bottom, forward,		
	Total capacity of double bottom	

Where Fitted.	*Length. Feet.	Water Capacity Tons.
Fore peak tank,		48
After peak tank,		21
Deep tank, aft,		
Deep tank, forward,		
Other tanks, if fitted,		
(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. ✓

Date

No. 744 in builder's yard.

Dates of Surveys held while building: 1920 Mar. 3 · Apr. 17 · 19 · 22 · 27 · 31 · May 3 · 19 · 25 · June 3 · 14 · 22 · 29 · July 5 · 9 · 13 · 20 · 29 · Aug. 18 · 24 · Sept. 17 · 30 — Oct 5 · 11 —

Total No. of Visits 24.

Surveyor's Signature Matthew Blackwood