No 235 North YardName SURREY (Now Michigan)Length between Perpendiculars 300'."00Breadth 40'."0Depth of Hold24'."6 & 31'."3Cub. 294000 to main deckTonnage O.M.N.M. 2948.87Class 100 A.1.31 Lombard Street E.C.J.P. Hooper & A.S. Williams for Atlantic Transport Co. Line

Spar Deck on top

Engines Blair & Co 220 H.P. ? Windlass Eapiers Mr M. Gray Pipe to pumps from fore peak to Engine space then up to Cattle Decks 2 Iron decks Spar deck wood Iron waterway 2'.0" wide One doubling strake and extra thickness of ties at sides of hatches on 2 decks Sheer strake of Spar deck 3 inches above gunwale bar. Bulwark 2 rods above sheer strake Mr Jones and Capt Bacon 3 rods March 9<sup>th</sup> Steering chains along hatch coamings Winch pipes and wash deck inside bulwark rods Wheel house aft like Brantford but higher 1 Wheel screw Gear as small as possible Steering Gear Screw aft steam on bridge Water Ballast in after and main holds full length both divided Fore Peak fitted for fresh water with pump. Bilge Keels 10" deep Rig 3 masted schooner Iron lower masts pole Masts to order Coamings on spar deck 2'.0" above beams lower decks 9" Hatches 4 Winches 4 Horizontal winches 5 tons each 8" Rogers horizontal 2 Donkey Boilers 13ft x 6'.6" 4 x tubes Distiller 4000 Galls per day Steam steering Gear amidship Screw " " aft right & left Bulkheads 6 iron one 1 iron cross bunker bulkhead Cattle tanks 4 Houses Iron house aft Iron Chart & Wheelhouse Lighthouses forward flying bridge on top Cattle fittings on the upper main deck \*Bilge 6 cu ft as from Main & Lower deck 2 ½ pipe \*Written at right angles on right side of page

Gangways 2 for Cattle on each side ship opposite two midship hatches 3\* 4\* wide \* Crossed out

Accommodation Capn & spare aft, Officers & engineers amidship Crew forward Cattlemen below Boats stands metal columns 4'.0" high settled by Capt Bacon 29 Mch 81 After Gear one wheel only No grain feeders Jan 21<sup>st</sup> Capt J. Murrell decided to put chain lockers on <u>lower</u> deck Cattle boards fore & aft in passages 2" athwart bulkheads up and down 1 <sup>1</sup>/<sub>2</sub>" 1 <sup>1</sup>/<sub>2</sub>" upright boards between stalls 1'.0" apart hinged at the top to the beam 4 Cattle in each stall or 10'.0" stalls Lifeboat davits 4 <sup>1</sup>/<sub>2</sub> small boat 4" to 9" above deck Cable stanchion in spar deck fixed 2 <sup>1</sup>/<sub>2</sub>" round.

" " lower " hinged at the top and bottom like Hopper Cutter hinges on upright boards to open towards gangways Side lights in upper Derricks double on each side of mast (Mr J. decided after coming back from London) " " " " " " " Gangway doors 3 4 wide one door \* \* Crossed out from 3 " " " " " " " Iron deck aft under wheel house " " " " Ventilators on Poop deck like 209 but 5'0 high on lower part Plimsoll mark 8.0 from wood spar deck Proud doubling letter of Nov  $\hat{4}^{th}$  says double one sprake from after hatch to stern Mr Jones ..... Dec 21.....L 1/16 End of Page 1 Written at right angles in left hand margin on Page 1 Assumed **Boats** 2 Life 24'-0" x 2.0 x 29 1 " 22'.0" x 6.1 x 26 1540 Cubic feet

x 2.3

*x* 5.8

## Written at right angles at bottom right of Page 1

22'.0"

Cont	ent oj	f Ho	lds	
Fore	hold	Iron	n Upper Deck	20025
"	"	"	Lower "	22530
"	"	"	Lower Tween	59660
Aft U	pper	20475		
" I	Lowei	r		23290
"	"	hol	d	43550
				<u>189530</u> total

## Top of Page 2

1 "

No 235 North Yard		Name SURREY"		
Length between Per	pendiculars	300'.00"		
Breadth	40'.0"		4,341	
Depth of Hold	24'.6"		400, 387	
Tonnage O.M.	N.M. <b>2948.87</b>		1230 Tons iron	
			500 Coal	

	<i>40 x 75</i>	_
Blair Engines 220 HP	45	80 HS

To carry 3840 Tons on 8ft side to top of wood deck 9ft side = 24'.9" draught = 6240 disp ?Oshmasen Ship and Stores ready for sea 2250 Tons

Actual Oct 18<sup>th</sup> Owners decided to cut 3" off forebody 4'.6" to Keel 1260 Tons 2250 Tons 2170 Tons finished weight

Mr Jones Jan 4 Shifting boards in Main and After hold all down to bottom Forehold go down

Disc on side 9 fe	woo et from top of Spar Dec		ar draft			Displacement		
	on stem post 26 feet		Coef Weight .58					
	<i>r</i>		Coef Reg .79	Cor	ntents of	weight		
Estimated Tonna	age Under deck	2245 Tons	oc - j o		<u>Tanks</u>			
" "	spare deck	690 "	After part of After	Tank	66 Tons			
" "	Chart House	5 "	Fore """"	"	114 "			
		<b>2940</b> Tons	After part of Fore	"	150 "			
			Fore " "Fore	"	57 "			
<u>Coal Bunkers</u>					387 Tons			
	ck on Starboard Side	106 Tons						
"	" " <b>Port</b> "	118 " coef 2	7					
Bunkers between	n decks Starb "	100 " <sup>°</sup>						
"	" " <b>Port</b> "	80"	Tonnage p	er Cus	toms			
Cross bunkers in	n Fore Hold	<u>290 "</u>		<i>U.D</i> .	2237.91			
		694 Tons			705.43	Tween Decks		
					5.53	@ House		
Ventilators like l	Brantford City but 5'.0 <sup>5</sup>	" at lowest pa	rt		2498.87			
Would want 100		-	Allowance 943	.64	<u>1010.07</u>			
			@ S ? <u>66</u>	5. <u>43</u>	1938.80	Nett		
W.C. in the light Boats two 24'."0 24 <sup>th</sup> Mch 81 28 <sup>th</sup> Mch 31 <sup>st</sup> Mch Per Mr Jones 9 <sup>th</sup> April by Capt by Mr Jones 11/4 Do.	and two 22'."0 Engine Room Sky ligh Fore & Moyen Derric Wood deck to be laid j Bacon) Fore Stay t	ks to be doub forward of Br to be fitted on se doors to be tr Dk to be 2 4	le the others to be su On Spar deci reakwater over the in deck between Wind wood 2 & Lower 2"	ingle (s k ron not llass an	ettled Capt B less than 3 ¼ ad Capstan	acon 28 <sup>th</sup> Mch 8		
May 5 <sup>th</sup>	Ship returned from Blairs one boiler full tanks empty 4 tons of bunkers Aft 11'.11 $\frac{1}{2}$ " Fore $\frac{1}{2}$ " = 9'.9"							
June 1 <sup>st</sup>	All tanks and boilers full For 10'. "10 Aft 14'. "0 = 12'. "5							
	After coming out of g				'. <i>11 ¼'</i> '			
	acon Tanks all full No	0	0			= 13'.6"		
June 1 <sup>st</sup>	All tanks full 493 Ton	s of cargo aft	13'.0" For 15' 1 ¼	" = 14'	."0 ¾			
	Wm Gray agreed to gi	ve two w Clos	sets in cabin see trac	cing				

Written at right angles in left margin above:

Paint Line 24'."6 forward 22'."0 aft 19'."0 Midship