

No. 4342 Survey held at London Date 10 Apr 1844
on the Barque Vulcan Master E. Sever
Tonnage 298 Built at Shedden When built May 1841
By whom built Vernon Owners H. Gibson
Port belonging to Newcastle Destined Voyage Lampas
If Surveyed Afloat or in Dry Dock

Length aloft	Feet. <u>9</u> Inches. <u>2</u>	Extreme Breadth	Feet. <u>2</u> Inches. <u>5</u>	Depth of Hold	Feet. <u>14</u> Inches. <u>10</u>
Scantlings of Timber.					
Timber and Space	each	Inches.	Inches. Middle	Inches. Ends	
Floors	sided	Moulded			
1 st Foothooks	"	"			
2 nd Ditto	"	"			
3 rd Ditto	"	"			
Top Timbers	"	"			
Deck Beams	N ^o . of <u>14</u>	"			
Hold Beams	N ^o . of <u>18</u>	"			
Keel	"	"			
Kelsons	"	"			
Thickness of Plank.					
			Outside.		
			Inside.		
			Keel to Bilge	Foot Waling	
			Bilge Planks	Bilge Planks	
			Bilge to Wales	Ceiling in Flat	
			Wales	Ditto Bilge to Clamp	
			Topsides	Hold Beam Clamps	
			Sheer Strakes	Deck Beam Ditto	
			Plank Sheers <u>2 x 3</u>	Ceiling 'twixt Decks	
			Water-Ways	Hold Beam Shelves	
			Upper Deck	Deck Beam Ditto	

Copper.		Size of Bolts in Fastenings.		Iron.	
Heel-Knee, and Dead Wood abaft	Inches.	Bolts thro' the Bilge and Foot Waling	Inches.	Hold Beam	Inches.
Scarphs of Keel	N ^o .	Butt End Bolts		Deck Beam	
Floor Timber Bolts		Lower Pintle of the Rudder		same in Iron above the Copper	
Kelson ditto					
Transoms and throats of Hooks					
Arms of Hooks					

Timbering.—The Space between the Floor Timbers and Lower Foothooks in this Vessel is _____ Inches. The Space between the Top-timbers is _____ Inches. The Stem, Stern Post, are composed of English oak the Transoms, Aprons, Knight Heads, Hawse Timbers, of English oak and are _____ free from all defects. Timber.

The Floors and first Foothooks are composed of _____

The other Foothooks and Top Timbers of _____

The Shifts of the first and second Foothooks are not less than _____ N. B. When less than prescribed by the Rule, state how many.

The rest of the Shifts of the Frame are _____

The Frame is _____ squared from the first Foothook Heads upwards, and _____ free from sap, and from thence downwards, the frame is _____

The alternate Frames are _____ bolted together. N. B. If not, state how bolted.

The Butts of the Timbers are _____ close together; their thickness not less than _____ of the entire moulding at that place.

The Frame is _____ chocked with _____ Butt at each end of the chock.

The Main Kelson is composed of 2 inches oak and the False Kelson of _____

The Scarphs of the Kelsons are not less than _____ feet _____ inches.

The Deck and Hold Beams are composed of Iron

Planking Outside.—From the Keel to the first Foothook Heads the Plank is composed of Iron

From the first Foothook Heads to the Light Water Mark of _____

From the Light Water Mark to the Wales of _____

The Wales and Black-strakes are of _____ The Topsides of _____

The Sheer-strakes and Plank-sheers of Iron The Water-ways of Black pine

The Decks of Yellow pine State of good

The Shifts of the Planking are not less than _____ Feet _____ Inches. N. B. If less than prescribed by the Rule, state whether general or partial, and if partial, in what part of the Ship.

The Planking is wrought _____ between _____ the Bilge Planks of _____

Planking Inside.—The Limber-strakes are composed of _____ Between Decks of _____

The Ceiling, Lower Hold, of _____ Clamps of _____

Shelf Pieces of 2 inches

Fastenings.—To Hold Beams say 2 iron plates each 14 inches broad bolted together thus

Deck Beams say 2 half inch plates Crutches _____

Number of Breasthooks 5 Pointers _____

Butts End Bolts are of _____ in the Bottom, and _____ Bolt in each Butt End through and clenched.

Bilge and Footwaling _____ bolted through and clenched.

General Quality of Workmanship good

We certify that the preceding is a correct description of the above-named Vessel,

Builder's Name _____

Surveyor's Name _____

Her Masts, Yards, &c. are in good condition, and sufficient in size and length.

196 ton

She has SAILS.			CABLES, &c.		ANCHORS, and their weights.	
N ^o .		Fathoms.		Inches.	N ^o .	
2	Fore Sails,	200	Chain	1 1/2	3	Bower,
2	Fore Top Sails,	80	Hempen Stream Cable	1 1/2	1	Stream,
2	Fore Topmast Stay Sails,	80	Hawser	6	1	Kedge,
1	Main Sails,	80	Towlines	5		
2	Main Top Sails,		Warp			
and well found in strength.			All of <u>good</u> quality.			

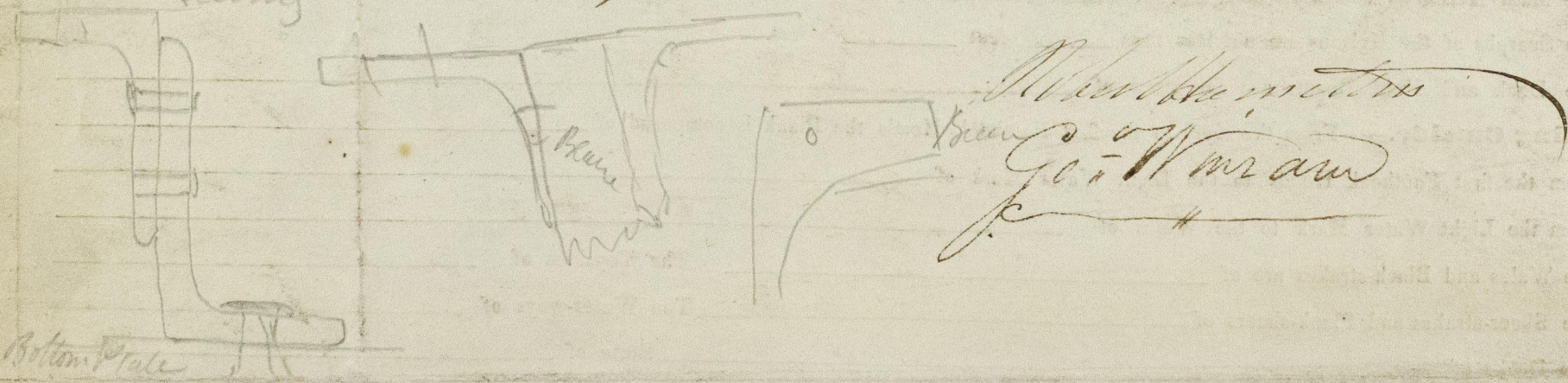
Her Standing and Running Rigging all new sufficient in size and good in quality.

She has an iron Long Boat and very well found

The present state of the Windlass is good Capstan good and Rudder good 24 inches

General Remarks—Statement and Date of Repairs.

To give additional strength there is worked inside, about 3 feet apart in the bottom, on that part forming floor, a half inch plate 4 1/2 broad riveted to plates, Nos #1 and to add more strength there is another plate riveted to the plates, Nos #1, on this the ceiling looks to about the first footwork needs. Single plates are carried up to the top at the same distance. Size Nos #1 in addition to the iron beams & decks. There is worked under deck & diagonal bars crossing each other 3 inches broad 3/8 thick, sunk into deck & fastened to the deck & equally divided on the deck. — and there is 4 inch thick iron bars which are lashed which I saw up tight in the middle and fasten to the sides on plates for that purpose, which are about 10 feet apart from each other. The hullwork excellent state of repair fit to carry any load & machinery to carry a ship at all parts of the world with safety. Shows no motion at waterline seams & little or no corrosion on iron plates or rivets.



If Sheathed, Doubled, Felted, or Coppered _____ When last done _____

I am of opinion this Vessel should be Classed _____

The Amount of the Fee.....£ 4 : - : is received by me,

Special£ : :

Committee's Minute 3rd Sept 1841

Character assigned Built of Iron

[Signature]

[Signature]
Genl. Committee 9th Sept
Clipping Confirmed

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Foundation

See 196 ton can be 196