

No. 4531 Survey held at Sunderland

Date June 28 1853

on the Ship "Chalmers"

Master Henry Smith

Tonnage Old 548

Built at Sunderland

When built 1851

By whom built James Laing

Owners James Laing

Port belonging to Sunderland Destined Voyage Ceylon

If Surveyed while Building, Afloat, or in Dry Dock during Building

Length aloft 131 6 Extreme Breadth 29 10 Depth of Hold 20 0

Scantlings of Timber.				Thickness of Plank.			
Room and Space	Inches.	Inches.	Inches.	Outside.	Inches.	Inside.	Inches.
Floors	sided <u>13 1/2</u>	Moulded <u>13 1/2</u>	<u>11</u>	Keel to Bilge	<u>3 1/4</u>	Limber Strakes	<u>4</u>
1st Foothooks	<u>11 1/2</u>	<u>10 1/2</u>	<u>11</u>	Bilge Planks	<u>5</u>	Bilge Planks	<u>5</u>
2nd Ditto	<u>11</u>	<u>9 1/2</u>	<u>11</u>	Bilge to Wales	<u>4</u>	Ceiling in Flat	<u>3</u>
3rd Ditto	<u>9 1/2</u>	<u>7 1/2</u>	<u>11</u>	Wales	<u>5 1/2</u>	Ditto Bilge to Clamp	<u>3</u>
Top Timbers	<u>9 1/4</u>	<u>5 1/2</u>	<u>11</u>	Short Hoods	<u>3 3/4</u>	Hold Beam Clamps	<u>5</u>
Deck Beams N° <u>25</u>	Average Space <u>4 1/3</u>	<u>10</u>	<u>7 1/2</u>	Topsides	<u>3</u>	Deck Beam Ditto	<u>9</u> <i>taking to 4</i>
Hold Beams N° <u>22</u>	Average Space <u>4 1/3</u>	<u>13 1/2</u>	<u>10</u>	Sheer Strakes	<u>4</u>	Ceiling 'twixt Decks	<u>2 1/2</u>
Keel	<u>14</u>	<u>14</u>	<u>15 1/2</u>	Plank Sheers	<u>4</u>	Hold Beam Shelves	<u>12</u> <i>taking to 4</i>
Keelsons	<u>15</u>	<u>15 1/2</u>	<u>15 1/2</u>	Water-Ways	<u>10 3/2</u>	Deck Beam Ditto	<u>11</u>
Scarphs of Ditto	<u>4 ft</u>	<u>10 ft</u>	<u>10 ft</u>	Upper Deck	<u>3 1/2</u>		

Size of Bolts in Fastenings, distinguishing whether Copper or Iron.

	Copper Inches.	Iron Inches.		Copper Inches.	Iron Inches.		Copper Inches.	Iron Inches.
Heel-Knee, and Deadwood abaft	<u>1 1/4</u>		Transoms and throats of Hooks	<u>1 3/8</u>		Lower Pintle of the Rudder	<u>3 1/2</u>	
Scarphs of Keel N° <u>8</u>	<u>1 3/8</u>		Arms of Hooks	<u>1 1/8</u>		Hold Beam	<u>1 3/8</u>	
Floor Timber Bolts	<u>1 3/8</u>		Bolts thro' Bilge & Limber Strakes	<u>1 5/8</u>		Deck Beam	<u>1 5/8</u>	
Keelson ditto	<u>1 3/8</u>		Butt End Bolts	<u>1 3/8</u>				

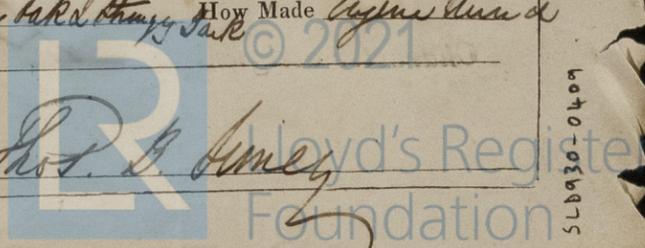
**Timbering.**—The Space between the Floor Timbers and Lower Foothooks in this Vessel is 2 1/3 Inches. The Space between the Top-timbers is 3 1/5 Inches. The Stem, Stern Post, consist of Eng Oak the Transoms, Aprons, Knight Heads, Hawse Timbers, and Deadwood, of Eng Oak and are appy free from all defects. The Floors consist of Eng Oak The First Foothooks of Eng Oak Timber. The Second Foothooks of Eng & Wp Oak The Third Foothooks of Eng Oak The Top Timbers of Eng Oak The Shifts of the first and second Foothooks are not less than 1/4 N. B. When less than prescribed by the Rule, state how many. The rest of the Shifts of the Frame are good The Frame is very well squared from the first Foothook Heads upwards, and very free from sap, and from thence downwards, the frame is very well squared The alternate Frames are all bolted together to the Gunwale. N. B. If not, state how bolted. The Butts of the Timbers are all close together; their thickness not less than 1/3 of the entire moulding at that place. The Frame is crop chocked with 1 Butt at each end of the chock. The Main Keelson is Eng Oak & Wp Oak and free from all defects. The False Keelson is all The Deck Beams consist of Teake Eng Oak & Wp Oak The Hold Beams of Teake Eng Oak & Wp Oak The Knees of Eng Oak

**Planking Outside.**—From the Keel to the Height defined in Note to Table 2, the Plank is Amer Elm From the above named Height to the Light Water Mark Teake & Amer Oak From the Light Water Mark to the Wales Teake The Wales and Black-strakes are Teake The Topsides Teake The Sheer-strakes Teake and Plank-sheers Teake The Water-ways Teake The Decks W Pine State of free The Shifts of the Planking are not less than 5 Feet 0 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 free between

**Planking Inside.**—The Limber-strakes are Eng Oak & Teake the Bilge Planks Teake Eng Oak & Wp Oak The Ceiling, Lower Hold, Teake & Eng Oak Between Decks Teake Shelf Pieces Teake Wp Oak & Eng Oak Clamps Teake

**Fastenings.**—To Hold Beams Iron Studs outside Timbers from Beam to Beam, Shelf on Top and 1 pair from Baying knees also 1 pair of Iron studs in lower hold Deck Beams Iron Studs alternate Baying knees and staple standard Number of Breasthooks 1 pair above 1 pair below Pointers 1 pair Two Iron Crutches Two Irons knees Butts End Bolts are of 1 Metal in the Bottom, and 1 Bolt in each Butt End through and clenched. Bilge and Limber Strakes all bolted through and clenched. Treenails of Eng Oak & Wp Oak How Made Eng Oak General Quality of Workmanship very good

We certify that the preceding is a correct description of the above-named Vessel,  
 Builder's Signature James Laing Surveyor's Signature Thos. B. Ames



516930-0409

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

She has SAILS.		CABLES, &c.		ANCHORS, and their weights.	
N <sup>o</sup> .		Fathoms.	Inches.	N <sup>o</sup> .	Weight.
2	Fore Sails,	135	1 1/2	3	28.0.4
2	Fore Top Sails,	135	1 1/2		28.1.8
2	Fore Topmast Stay Sails,	70	8		24.5.20
1	Main Sails,	65	1	1	10.0.0
2	Main Top Sails,	80	6 1/2		
	and <u>others as usual</u>	80	5 1/2	1	3 1/2
		40	4 1/2		
		All of <u>good</u> quality.			

Her Standing and Running Rigging is of hemp sufficient in size and good in quality.

She has one Long Boat and two other boats

The present state of the Windlass is good Capstan is Rudder good Pumps two metal

**General Remarks—Statement and Date of Repairs.**

This ship was regularly surveyed during Scudding  
 The exterior of this vessel including the flat of the upper  
 deck is fastened with yellow metal to the entire  
 exclusion of iron—

See letter annexed to No. 4585.

~~is~~ Sheathed, ~~Doubled, Felted, or Coppered~~ with yellow metal to the top of water last done \_\_\_\_\_

I am of opinion this Vessel should be Classed B.M.

The Amount of the Fee.....£ 5 : " : " is received by me,

order No. 9. Special .....£ 27 : 8 : "

Certificate (if required) .....£ " : " : "

Committee's Minute 8th July 1851

Character assigned A 1 of 13  
[Signature]

[Signature: Robt. B. Simey]