

No. 496 Survey held at Ypsil Date, first Survey 14 May 78 Last Survey 29 April 1879
on the Wood Ketch Minerva Master C. Northam No. 5379
TONNAGE under Tonnage Deck 98.32 Built at Ypsil When built 1849 Launched April 49
Ditto of Spar Deck, or Awning Deck
Ditto of Poop, or Raised Qr. Dk.
Ditto of Houses on Deck
Ditto of Forecastle 1.58 By whom built Wm Wake Owners J. J. King & Co. (late)
Gross Tonnage 99.90 Port belonging to Ypsil Destined Voyage to America
Crew Space, as per Rule 99.90
Register Tonnage, cut on Beam
Engine Room
ster Tonnage, as a Steamer, }
on the Beam }

as per section 39	Feet	Inches	Extreme Breadth Outside ..	Feet	Inches	Depth of Hold....	Feet	Inches	Number of Decks
of Keel	<u>28</u>	<u>0</u>	<u>19</u>	<u>21</u>	<u>3</u>	<u>10</u>	<u>0</u>	<u>0</u>	<u>One</u>
Scantlings of Timber.									
TIMBER AND SPACE.....	<u>28</u>	<u>8</u>	<u>19</u>	<u>21</u>					
Floors	<u>8</u>	<u>8</u>	<u>19</u>	<u>21</u>					
1st Foothooks	<u>4</u>	<u>4</u>	<u>19</u>	<u>21</u>					
2nd Ditto	<u>4</u>	<u>4</u>	<u>19</u>	<u>21</u>					
3rd Ditto	<u>6</u>	<u>5</u>	<u>19</u>	<u>21</u>					
Top Timbers	<u>6</u>	<u>5</u>	<u>19</u>	<u>21</u>					
Deck } N° <u>19</u> Average } <u>34</u>	<u>8</u>	<u>8</u>	<u>19</u>	<u>21</u>					
Beams } Space }									
Deck Beams, length amidships ..	<u>30</u>	<u>4</u>							
Hold } N° Average }									
Beams } Space }									
Hold Beams, length amidships ..									
Keel	<u>11</u>	<u>11</u>	<u>9</u>	<u>9</u>					
Scarp of Ditto	<u>5</u>	<u>5</u>	<u>9</u>	<u>9</u>					
Keelsons	<u>11</u>	<u>11</u>	<u>10</u>	<u>10</u>					
Scarp of Ditto <u>Rider</u>	<u>8</u>	<u>10</u>	<u>4</u>	<u>3</u>					
Outside Plank.									
Garboard Strakes...	<u>22</u>	<u>4</u>							
Garboard to Bilge ..	<u>22</u>	<u>4</u>							
Bilge Planks	<u>3</u>	<u>2</u>							
Bilge to Wales	<u>3</u>	<u>2</u>							
Wales	<u>3</u>	<u>2</u>							
Topsides	<u>3</u>	<u>2</u>							
Sheer Strakes	<u>3</u>	<u>2</u>							
Plank Sheers	<u>3</u>	<u>2</u>							
Water } Upper Deck <u>8</u>	<u>8</u>	<u>4</u>							
Ways } Lower Deck <u>8</u>	<u>8</u>	<u>4</u>							
Ditto, faying surface	<u>4</u>	<u>4</u>							
against Timbers ...									
Upper Deck.....	<u>2</u>	<u>2</u>							
Dimensions of Ship per Register,									
length <u>48</u> breadth <u>21.4</u> depth <u>9.9</u>									
Inside Plank.									
Limber Strakes	<u>3</u>	<u>3</u>							
Bilge Planks	<u>3</u>	<u>3</u>							
Ceiling in Flat	<u>2</u>	<u>2</u>							
Ditto Bilge to Clamp	<u>2</u>	<u>2</u>							
Hold Beam Clamps..									
Deck Beam Ditto ..	<u>6</u>	<u>6</u>							
Ceiling 'twixt Decks									
Hold Beam Shelves ..									
Deck Beam Ditto....									

Size of Bolts in Fastenings, distinguishing whether Copper, Yellow Metal, or Iron; also of Treenails.	Copper or Y.M. in Ship	Iron in Ship	Inches required per Rule	Copper or Y.M. in Ship	Iron in Ship	Inches required per Rule
Heel-Knee, & Deadw'd abaft	<u>1 1/2</u>	<u>1 1/2</u>	<u>1 1/2</u>			
Scarp of Keel, N°.	<u>1 1/2</u>	<u>1 1/2</u>	<u>1 1/2</u>			
Keelson Bolts through Keel	<u>1 1/2</u>	<u>1 1/2</u>	<u>1 1/2</u>			
at each Floor	<u>1 1/2</u>	<u>1 1/2</u>	<u>1 1/2</u>			
Bolts thro' Heels of Timbers	<u>1 1/2</u>	<u>1 1/2</u>	<u>1 1/2</u>			
against Deadwood	<u>1 1/2</u>	<u>1 1/2</u>	<u>1 1/2</u>			
Frame Bolts.....	<u>1 1/2</u>	<u>1 1/2</u>	<u>1 1/2</u>			
Transoms and throats of Hooks	<u>1 1/2</u>	<u>1 1/2</u>	<u>1 1/2</u>			
Arms of Hooks.....	<u>1 1/2</u>	<u>1 1/2</u>	<u>1 1/2</u>			
Thro' Bilge and Limber Strakes	<u>1 1/2</u>	<u>1 1/2</u>	<u>1 1/2</u>			
Thickstuff over Double Floors ..	<u>1 1/2</u>	<u>1 1/2</u>	<u>1 1/2</u>			
Butt End Bolts.....	<u>1 1/2</u>	<u>1 1/2</u>	<u>1 1/2</u>			
Short Bolts in Ceiling <u>Calc. 2</u>	<u>2</u>	<u>2</u>	<u>2</u>			
Pintles of the Rudder	<u>2</u>	<u>2</u>	<u>2</u>			
Hold Beam } Waterway ..						
Bolts in } Knees						
Deck Beam } Waterway ..						
Bolts in } Knees						
Nails or Bolts in Flat of Deck						
TreenailsInches <u>1 1/2</u>						

Timbering.—The Space between the Floor Timbers and Lower Foothooks is 1 Inches. The Space between the Top-Timbers is 3 Inches.
The Floors consist of English Oak
The Second Foothooks of C. Oak
The Main Keelson is English Oak and — free from all defects.
(The Rider Keelson is C. Oak)
The Transoms, Knightheads, Hawse Timbers, & Aprons of C. Oak ditto.
Deadwood, of C. Oak and — ditto.
The Stem, and Stern Post of C. Oak ditto.
The Deck and Hold Beams of C. Oak
Breasthooks of C. Oak & Iron Knees of Iron & C. Oak
The Main piece of Rudder of C. Oak Windlass of C. Oak
(The Keel of Am R. Elm)

Planking Outside.—From the top of the Keel to two-fifths the depth of Hold, the Plank is pitch pine
From the above named height to the Wales pitch pine
The Wales and Black-strakes English Oak
The Spirketting and Plank-sheers C. Oak
The Decks Yellow pine State of Good
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 True between, and without step-butting.
Planking Inside.—The Limber-strakes and Bilge-strakes are English Oak
The Ceiling, Lower Hold, and between Decks C. Oak Shelf Pieces and Clamps C. Oak
Fastenings.—To Hold Beams
Two pairs of long hanging Iron Rider knees, and short hanging Iron knees on all other beams. Also Iron lodging knees in main room and C. Oak knees in way of main hatch and at each end of vessel.

Number of Breasthooks 7 Pointers Two Crutches Two
Butt End Bolts are of Yellow Metal in the Bottom Two Bolts in each Butt End Two through and clenched.
Bilge and Limber Strakes C. Oak bolted through and clenched. Treenails of C. Oak How Made Turned
Thickstuff over Double Floors Two bolted through and clenched. General Quality of Workmanship Superior

We certify that the above is a correct description of the several particulars therein given.
Builder's Signature William Wake Surveyor's Signature James M. Hall
Surveyor to Lloyd's Register of British and Foreign Shipping.
HVL394-0239

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

She has SAILS.	CABLES, &c.	Fathoms.	Inches.	Test as per Certificate.	Length & Size req'd per Rule.	Test req'd per Rule.	ANCHORS, &c.	No.	Weight. Ex. Stock.	Test as per Certificate.	Weight req'd per Rule.	Test req'd per Rule.
Fore Sails,	1/2" Chain	61	1 1/2"	24 1/2	120 1/2	10 1/8	Bowers	1	4.3.19	4.2.20	4 1/4	6 1/2
Fore Top Sails,	1/2" Chain	90 1/2	1 1/2"	24 1/2	120 1/2	10 1/8	Stream	1	4.3.21	4 1/4	4 1/4	6 1/2
Fore Topmast Stay Sails,	1/2" Chain	60	1 1/2"	24 1/2	120 1/2	10 1/8	Kedges	1	4.1.15	4.17.20	1 1/2	—
Main Sails,	1/2" Chain	40	1 1/2"	24 1/2	120 1/2	10 1/8			1.2.12	—	3 1/4	—
Main Top Sails,	1/2" Chain	40	1 1/2"	24 1/2	120 1/2	10 1/8						
All of <u>good</u> quality												

Her Standing and Running Rigging Very strong sufficient in size and good in quality. She has one Long Boat and Good

The present state of the Windlass is Good and Rudder Good Pumps two & good

Scuppers, &c.—What arrangements are there beyond the scuppers on deck, for clearing upper deck of water, in case of a sea coming on board?

Truing scuppers on each side

Cargo Hatchways.—How formed? By Bar Comings State size 14" x 4 1/2"

If of extraordinary size, state how framed and secured?

What arrangement for shifting beams? One from end one from beam

Hatches, themselves, whether strong and efficient? Yes Main Hatchways.—State size 22 x 8 1/2

Order for Special Survey, No. 168

Date 18 May 78

Order for Ordinary Survey, No. —

Date —

No. 47 in Builder's Yard.

DATES of Surveys held while building, as per Section 35.

1st. When the Frame is completed

2nd. When the Beams are put in, &c.

3rd. When completed, and before the plank be painted or payed

May 14, June 5, July 20, Sept. 24 & 29
Sept. 6 & 20, Nov. 2, Dec. 2, Jan. 14
Feb. 2, March 26, Apr. 3, 14, 25 & 29

General Remarks.

This vessel has been built in accordance with the accompanying approved sketch of midship section, and the Gent's letter of 14th March 1879; also in all other respects with the Rules to which she is to the 12 A. 1. Class; viz—

9 Years per Table A.

1 " per Mixed Material Rule

1 " for Excess Sect. 34 (6 tons of Rudder being used

1 " for Material fastening Sect 64, par 1)

Total 12 Years

Present condition of Caulking of Bottom Good

Deck, Good

and Waterways Good

If Sheathed, Doubled, Felted, Coppered, or Yellow Metalled —

When last done —

I am of opinion this Vessel should be Classed 12. A. 1

The Amount of the Entry Fee £ 1 : 0 : 0 received by me, Mr

Special £ 4 : 4 : 0 1879

Certificate Gratis

(Travelling Expenses, if any, £5.5.0)

Committee's Minute

6th May, 1879,

Character assigned A 1

Mr 12 yrs
12 yrs
12 yrs

12 yrs

Surveyor to Lloyd's Register of British and Foreign Shipping.

This vessel appears eligible to be classed as recommended by 12 A. 1.

9 1/2 yrs

"Salted"

"cf"

one deck

Lloyd's Register Foundation