

No. Survey held at Worcester Date June 26. 1863 May 25 1864
on the Crane Henry Warburton Master Thos. C. Cook
Tonnage Old 1637 Built at Worcester When built 1864 Launched May
By whom built Thomas Cook & Son Owners Thomas Cook
Port belonging to Worcester Destined Voyage Palat. Mediterranean
Surveyed while Building, Afloat, or in Dry Dock Throught out build under Com. Survey

Length aloft	25	Feet.	Inches.	Extreme Breadth Outside	19	Feet.	Inches.	Depth of Hold	10	Feet.	Inches.
				Sided,	IN SHIP.	Moulded.	REQUIRED PER RULE.	Sided.	Moulded.		
				Middle.	Ends.	Middle.	Ends.	Middle.	Ends.		
Scantlings of Timber.											
TIMBER AND SPACE	23			18							
Floors	13	11		7							
1 st Foothooks	7	8		6	6						
2 nd Ditto	10	7		5 1/2	5 1/2						
3 rd Ditto	6	6	4 1/2	5 1/2	5 1/2	4					
Top Timbers	9	6	4 1/2	5 1/2	5 1/2	4					
Deck } N ^o 17	Average } 4 1/2	8 1/2	8 1/2	6 1/2							
Beams }											
Deck Beams, length amidships	12 1/2	9		7	7	5 1/2					
Hold } N ^o	Average }										
Beams }											
Hold Beams, length amidships											
Keel	10	13		8	8						
Scarp of Ditto	Rider	7 in	5 1/2	4	4						
Keelsons	12	14									
Scarp of Ditto	none			4 1/2							
Outside.											
INCHES.											
In Ship. Required per Rule.											
Garboard Strakes	2 1/2	2									
Garboard to Bilge	2 1/2	2									
Bilge Planks	3 1/2	4	2								
Bilge to Wales	2 1/2	2									
Wales	6 1/2	4	3								
Topsides	2 3/4	2 1/4									
Sheer Strakes	2 3/4	2 1/4									
Plank Sheers	2 3/2	2									
Water } Upper Deck	11 x 7	6									
Ways } Lower Deck											
Ditto, faying surface against Timbers	4	3 1/2									
Upper Deck	2 1/2	2 1/2									
Thickness of Plank.											
INCHES.											
In Ship. Required per Rule.											
Limber Strakes	3 1/2	2 1/2									
Bilge Planks	3 1/2	3 1/2	2 1/2								
Ceiling in Flat	2 1/2	1 1/2									
Ditto Bilge to Clamp	2 1/2	1 1/2									
Hold Beam Clamps	3 1/2	1 1/2									
Deck Beam Ditto	2 1/2	2 1/2									
Ceiling 'twixt Decks	2	1 1/2									
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, & Deadwood abaft		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
Scarp of Keel, No. 6		3/4		3/4		3/4		3/4		3/4		3/4	
Keelson Bolts through Keel at each Floor		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
Bolts thro' Heels of Timbers against Deadwood		5/8		5/8		5/8		5/8		5/8		5/8	
Transoms and throats of Hooks		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
Arms of Hooks		3/4		3/4		3/4		3/4		3/4		3/4	
Thro' Bilge & Limber Strakes		5/8		5/8		5/8		5/8		5/8		5/8	
Thickstuff over Double Floors		5/8		5/8		5/8		5/8		5/8		5/8	
Butt End Bolts		5/8		5/8		5/8		5/8		5/8		5/8	
Pintles of the Rudder		2		2		2		2		2		2	

Timbering.—The Space between the Floor Timbers and Lower Foothooks is 1 1/2 Inches. The Space between the Top-Timbers is 20 Inches.
The Floors consist of 20 Second hand Birch & 20 1st The First Foothooks of English Oak - new
The Second Foothooks of Port Pine Oak, new The Third Foothooks and Top Timbers of English Oak - new
The Shifts of the First and Second Foothooks are not less than 2 1/2 N. B. When less than prescribed by the Rule, state how many.
The rest of the Shifts of the Frame are Sufficient
The Frame is fairly squared from the First Foothook Heads upwards, and not quite free from sap, and from thence downwards, the frame is the same

The Frames are not all framed bolted together to the Gunwale. N. B. If not, state how bolted.
The Butts of the Timbers are close together; their thickness not less than at 5/8 of the entire moulding at that place.
The Frame is choked with a Butt at each end of the chock. The Main piece of Rudder is English Oak of Windlass is English Oak
The Keel is English Oak The Main Keelson is Second hand pitch and free from all defects.
The Stem, and Stern Post of English Oak - new The Transoms, Knight Heads, Hawse Timbers, and Aprons of English Oak - new Deadwood, of English Oak and are free from all defects.
The Deck and Hold Beams of English Oak - new The Breasthooks of English Oak The Knees of English Oak

Planking Outside.—From the Keel to the Height defined in Note to Table A } the Plank is English Oak - new
or to the First Foothook Heads }
From the above named Height to the Light Water Mark Red Pitch Pine English Oak
From the Light Water Mark to the Wales Red Pitch Pine English Oak
The Wales and Black-strakes are English Oak - new The Topsides & Sheer-strakes Pitch Pine English Oak
The Spirketting and Plank-sheers Pitch Pine English Oak The Water-ways { Upper Deck Red Oak
Lower Deck English Oak
The Decks Yellow Pine State of good

The Shifts of the Planking are not less than 5 Feet 1 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 3 strakes between, and without step-buttting.
Planking Inside.—The Limber-strakes and Bilge-strakes are Second hand Pitch Pine
The Ceiling, Lower Hold, and between Decks Second hand Pitch Pine Shelf Pieces and Clamps Second hand Pitch Pine
Fastenings.—To Hold Beams none

Deck Beams Double ledging and bolting pieces, of English Oak, well bolted, and 4 bidders Pine vapors, of iron
Number of Breasthooks 3 English Oak Pointers Crutches
Butt End Bolts are of Paper in the Bottom: a Bolts in each Butt End one through and clenched.
Bilge and Limber Strakes Iron bolted through and clenched. Treenails of English Oak How Made well made
Thickstuff over Double Floors Iron bolted through and clenched. General Quality of Workmanship Strong but rough
We certify that the above is a correct description of the several particulars therein given
Builder's Signature Thos Cook & Son Surveyor's Signature Thos Cook & Son
81074-260

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

She has SAILS.		CABLES, &c.		ANCHORS, and their weights.			
N ^o .				Fathoms.	Inches.	N ^o .	Weight.
✓	Fore Sails,	Chain		150	7 1/2	admiralty pattern Bower,	2 5.3.25
✓	Fore Top Sails,	Hempen Stream Cable		90	7		7.1.8 3/4
✓	Fore Topmast Stay Sails,	Hawser		90	4 1/2	Stream,	1 3.2.0
✓	Main Sails,	Towlines		60	3		
✓	Main Top Sails,	Warp				Kedge,	1 1.2.0
	and others, a full suit.	All of <u>good</u> quality.					

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

She has One Long Boat and

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

General Remarks and Statement and Date of Repairs, if any.

DATES of Surveys held while building, as per Section 35.	1st. When the Frame is completed	<u>c November 14th 1863</u>
	2nd. When the Beams are put in, &c.	<u>Jan^y 27th 1864</u>
	3rd. { When completed, and before the plank be painted or payed }	<u>Feb^y 27th - "</u>

This Vessel has second hand, birch floors, and two
timbers, commencing 18 feet from the stem extending
aft, 39 feet, or about 5 feet from the stern post, all
the other are new of English Oak, as well as the stem,
apron, stem post, transoms & stern timber. The first
timbers are English Oak, new. Second ditto & timber
are generally second hand. Pitch pine & juniper, and
the third timbers are of English Oak, new. - x

The keelson is in one piece, of second hand pitch pine
and rider etc, both good. The upper deck beams are
all new, of English oak, and juniper, except five
which are of second hand, pitch pine, the brass are of
English oak, and iron, and the waterways of red pine
and English oak, the deck of yellow pine, all new. Good
The fastenings are new, and I am of opinion
she is eligible to class as recommended below.

x The planking outside is nearly all new but inside
it is generally second hand but good. -

Present condition of Caulking of Bottom, timber Deck, good and Waterways good
If Sheathed, Doubled, Felted, or Coppered none upon hull When last done now done
I am of opinion this Vessel should be Classed A 1, in Red
The Amount of the Fee.....£ 1 : : is received by me,
Special£ 5 : 5 : Exp^t 4.5.0
Certificate£ : 2 : 5

Committee's Minute 10th June 1864
Character assigned 1 for 3 years