

No. 879 Survey held at Spisswil Date December 1856 to 6 August 1857
on the Brig, Alligator Master William Dercomb
Tonnage Old 280 Tons Built at Spisswil When built 1856 & 57 Launched August 1857
By whom built Thomas Harvey & Sons Owners Andrew Swanzy
Port belonging to London Destined Voyage London to Coast of Africa
If Surveyed while Building, Afloat, or in Dry Dock While Building

Length aloft	Feet. 109.	Inches. 6. 10	Extreme Breadth Outside				Feet. 23.	Inches. 0	Depth of Hold		Feet. 12	Inches. 7- 10
Scantlings of Timber.	SIDED.		MOULDED.				Outside.	INCHES.		INCHES.		
	Inches. In Ship.	Required as pr Rule	Inches. In Ship.	Inches. In Ship.	Required pr Rule	Required pr Rule		In Ship.	Required per Rule.	In Ship.	Required per Rule.	
TIMBER AND SPACE	23	2 1/2	13	9	8 3/4	7 1/2	Garboard Strakes ..			Limber Strakes	3 1/4	3 1/4
Floors	9 1/2	8 3/4	10 1/2	8 1/2	8	7	Garboard to Bilge ..	3-	2 3/4	Bilge Planks	3 1/2	4-
1 st Foothooks	8 1/2	7 3/4	9-	7 1/2	7-	6	Bilge Planks	3 1/2	"	Ceiling in Flat	2 1/2	2 1/4
2 nd Ditto	8 x 7 1/2	7-	9-	5 1/2	-	5	Bilge to Wales	3-	"	Ditto Bilge to Clamp	2 1/2	4-
3 rd Ditto	7-	6 1/2	-	-	-	-	Wales	4 1/4	4	Hold Beam Clamps..	3 1/2	3 1/4
Top Timbers	4-	-	-	-	-	-	Topsides	4 1/2	3 1/4	Deck Beam Ditto ..	3 1/2	4-
Deck { N ^o 24 Average } Beams { Space } 3 feet 7 in	8 1/2	8	8 1/2	6 1/2	8	6 1/2	Sheer Strakes	3 1/2	"	Hold Beam Shelves ..	"	"
Deck Beams, length amidships 2 1/2.	"	"	"	"	"	"	Plank Sheers	3 1/4	2 3/4	Deck Beam Ditto ..	9 1/2 x 7 1/2	4-
Hold { N ^o 7 Average } Beams { Space } 2 feet	10 1/2	10 1/4	10 1/2	9 1/2	10 1/2	9-	Water- { Upper Deck	10 x 8	-			
Hold Beams, length amidships 2 1/2.	-	-	-	-	-	-	Ways { Lower Deck	"	"			
Keel	11 1/2	10 3/4	13 1/2	-	-	-	Upper Deck	3-	2 1/2			
Scarp of Ditto	5 1/2 feet	-	-	-	-	-						
Keelsons	13-	11 3/4	14 1/2	-	-	-						
Scarp of Ditto	6 feet	-	-	-	-	-						

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

Copper		Inches	Copper		Inches	Copper		Inches
In Ship.		required per Rule	In Ship.		required per Rule	In Ship.		required per Rule
Heel-Knee, and Deadwood abaft		1 1/8	Transoms and throats of Hooks		1 1/8	Hold Beam Bolts in		1 3/16
Scarp of Keel		7/8	Arms of Hooks		7/8	Knees		1 3/16
Keelson Bolts through Keel at each Floor		1	Bolts thro' Bilge		1 1/8	Shelf or Clamp		1 3/16
Bolts through Heels of Timbers against Deadwood		3/4	Butt End Bolts		1 1/8	Deck Beam Bolts in		1 3/16
			Pintles of the Rudder		2 1/4	Knees		1 3/16
						Shelf or Clamp		1 3/16
						Nails or Bolts in Flat of Deck		1 1/8
						Treenails		1 1/8

Timbering.—The Space between the Floor Timbers and Lower Foothooks is 2 1/2 Inches. The Space between the Top-Timbers is 4 1/2 Inches.

The Floors consist of English Oak The First Foothooks of English Oak Timber.

The Second Foothooks of English Oak The Third Foothooks and Top Timbers of English Oak

The Shifts of the First and Second Foothooks are not less than 1/6 of the Main Breadth N. B. When less than prescribed by the Rule, state how many.

The rest of the Shifts of the Frame are 1/6 of the Main Breadth

The Frame is well squared from the First Foothook Heads upwards, and is well free from sap, and from thence downwards, the frame is 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 — close together; their thickness not less than 1/32 of the entire moulding at that place.

The Frame is cross-chocked with a Butt at each end of the chock. The Main piece of Rudder is English Oak

The Main Keelson is English Oak and is free from all defects. The Main piece of Windlass is English Oak

The Stem, and Stern Post, consist of English Oak The Transoms, Aprons, Knight Heads, and

Hawse Timbers of English Oak Deadwood, of English Oak and are well free from all defects.

The Deck and Hold Beams consist of English Oak The Breasthooks of Oak & Iron The Knees of Iron

Planking Outside.—From the Keel to the Height defined in Note to Table A } the Plank is English Elm

or to the First Foothook Heads

From the above named Height to the Light Water Mark English Oak

From the Light Water Mark to the Wales English Oak

The Wales and Black-strakes are English Oak The Topsides English Oak

The Sheer-strakes and Plank-sheers English Oak The Water-ways { Upper Deck English Oak

The Decks 6 Dantzis Fir and Yellow Pine Lower Deck (none) State of New and Good

The Shifts of the Planking are not less than 5 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 three between, and without step-butting.

Planking Inside.—The Limber-strakes and Bilge-strakes are English Oak

The Ceiling, Lower Hold, and between Decks English Oak Shelf Pieces and Clamps English Oak

Fastenings.—To Hold Beams Iron Staple lodging knees Six pairs staple hanging

knees to each beam and six pairs iron hanging knees to lower side

of beams

Deck Beams Shelf-Waterway One pair iron hanging knees to each beam

and wood lodging knees in way of Mast Ropes.

Number of Breasthooks 3 Wood 3 Iron Pointers Iron Strap on Stern Post Crutches Three iron

Butts End Bolts are of Yellow Metal ~~the Bottom~~ and one Bolt in each Butt End through and clenched.

Bilge ~~and Limber~~ Strakes are bolted through and clenched. Treenails of English Oak How Made Mooted Round

Thickstuff over Double Floors none bolted through and clenched. General Quality of Workmanship Very Good

We certify that the above is a correct description of the several particulars therein given

Builder's Signature Thomas Harvey & Sons Surveyor's Signature M. Taylor

Her Masts, Yards, &c. are in ^{new} Good condition, and sufficient in size and length.

She has SAILS.			CABLES, &c.		ANCHORS, and their weights.			
N ^o .				Fathoms.	Inches.	N ^o .	Weight.	
2	Fore Sails,	Chain	180	18	Bower,	3	11.2.0	
1	Fore Top Sails,	Hempen Stream Cable	90	7			11.2.0	
2	Fore Topmast Stay Sails,	Hawser	75	6	Stream,	1	4.0.0	
1	Main Sails,	Towlines	"	"				
2	Main Top Sails,	Warp	75	4	Kedge,	1	2.0.0	
and a Complete Set			All of ^{new} the best quality.					

Her Standing and Running Rigging is ^{new} Hemp sufficient in size and Good in quality.

She has one Long Boat and one smaller

The present state of the Windlass is New ^{Mast} ~~Capstan~~ New Rudder New Pumps two iron Good, new

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>23rd March 1857</u>
2nd.	When the Beams are put in, &c.	<u>4 May "</u>
3rd.	{ When completed, and before the plank be painted or payed }	<u>29th June "</u>

This vessel was specially surveyed while building by myself and the supplemental surveys were held by Mr Light whose suggestions for improvement have been complied with. The vessel is constructed with a Round Stern and has a Quarter Deck 34 feet long and 2 feet deep. The keels of the First Gunthool meet at the middle line so as to dispense with the third Bolting and the Limber Strakes. The entire Frame is English Oak of good quality. The outside planking from the Gunwale to the height defined in table A is English Oak good in quality and well wrought. The remainder of the outside plank to the height of four feet from the lower part of the keel is English Elm. All the inside planking is English Oak of good quality. The whole of the outside Bolt fastenings and nails of Flat of beak is Yellow Metal to the exclusion of Iron in accordance with Rules Section 46. The vessel is sheathed with Yellow Metal over Felt is in every respect well and faithfully built and eligible to be Classed in the first Description of the First Class Thirteen Years from 1857.

If the whole of the suggestions made by me are fully carried out I am of opinion she may be considered eligible for the Classification recommended.

J. F. Light

Present condition of Caulking of Bottom, New Deck, New and Waterways New and good

If Sheathed, Doubled, Felted, or Coppered Yellow Metal over Felt When last done August 1857

I am of opinion this Vessel should be Classed 13 Years A1 from 1857

The Amount of the Fee.....£ 3 : 0 : 0 is received by me,

Light
Special£ 10 : 1 : 0
Certificate£ 3 : 8 : 6

Committee's Minute 11th August 1857

Character assigned A1 for 13 Years



2021

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