

No. 2983 Survey held at Montrose Date 9th August 1862
on the Ketch Volante Master C. Guill
Tonnage Old Built at Montrose When built 1862 Launched 27/6/62
By whom built J. D. Berne Owners C. Berne
Port belonging to Montrose Destined Voyage Coasting
Surveyed while Building, Afloat, or in Dry Dock Building & afloat

Length aloft				Extreme Breadth Outside				Depth of Hold			
68				18.58				9.14			
Feet.				Inches.				Feet.			
IN SHIP.				REQUIRED PER RULE.				IN SHIP.			
Sided.				Sided.				Sided.			
Middle.				Middle.				Middle.			
Ends.				Ends.				Ends.			
Seantlings of Timber.				Outside.				Inside.			
TIMBER AND SPACE				Garboard Strakes				Limber Strakes			
Floors Single	19	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	2 3/4	2 1/2		
1 st Foothooks	16 1/2	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	2	1 1/2		
2 nd Ditto	16 1/2	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	2	1 1/2		
3 rd Ditto	16 1/2	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	2	1 1/2		
Top Timbers	16 1/2	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	2	1 1/2		
Deck { N ^o 14	37 1/2	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	2	1 1/2		
Beams {								2	1 1/2		
Deck Beams, length amidships	17 1/2							2	1 1/2		
Hold { N ^o 10								2	1 1/2		
Beams {								2	1 1/2		
Hold Beams, length amidships	10	10						2	1 1/2		
Keel	9	9 1/2						2	1 1/2		
Scarp of Ditto	4 1/2							2	1 1/2		
Keelsons	9 1/2	9 1/2						2	1 1/2		
Scarp of Ditto	9 1/2	9 1/2						2	1 1/2		

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

Heel-Knee, & Deadwood abaft				Transoms and throats of Hooks				Hold Beam			
Copper or Y.M. in Ship.				Copper or Y.M. in Ship.				Copper or Y.M. in Ship.			
Inches required per Rule				Inches required per Rule				Inches required per Rule			
13/16	1 1/8	7/8	7/8	7/8	7/8	7/8	7/8	1 1/8	1 1/8	1 1/8	1 1/8
Scarp of Keel, N ^o 6				Arms of Hooks				Bolts in			
Keelson Bolts through Keel				Thro' Bilge & Limber Strakes				Shelf or Clamp			
at each Floor				Thickstuff over Double Floors				Waterway			
Bolts thro' Heels of Timbers				Butt End Bolts (Shut 5/8 4 in.)				Knees 4 1/2 in.			
against Deadwood				Pintles of the Rudder				Shelf or Clamp			

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

The Floors consist of Ger. & But Oak The First Foothooks of Ger. & But Oak

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

The Shifts of the First and Second Foothooks are not less than 1 to 2 feet 3.0 to 3.2 N. B. When less than prescribed by the Rule, state how many.

The rest of the Shifts of the Frame are

The Frame is well squared from the First Foothook Heads upwards, and fairly free from sap, and from thence downwards, the frame is well squared

The entire Frames are each 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 1/2 of the entire moulding at that place.

The Frame is cross chocked with no Butt at each end of the chock. The Main piece of Rudder is But Oak of Windlass is But Oak

The Keel is Am. Elm & The Main Keelson is Tamarac and free from all defects.

The Stem, and Stern Post of But Oak The Transoms, Knight Heads, Hawse Timbers,

and Aprons of But Oak Deadwood, of But Oak and are free from all defects.

The Deck and Hold Beams of German Oak The Breasthooks of Iron The Knees of Am. & B. Oak

Planking Outside.—From the Keel to the Height defined in Note to Table A, the Plank is Am. Elm & Tamarac

From the above named Height to the Light Water Mark

From the Light Water Mark to the Wales Tamarac

The Wales and Black-strakes are German Oak The Topsides & Sheer-strakes German Oak

The Spirketting and Plank-sheers German Oak The Water-ways Upper Deck Red Pine & Lower Deck Canada Oak

The Decks Yellow Pine State of Good

The Shifts of the Planking are not less than 5 Feet 3 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-buttling

Planking Inside.—The Limber-strakes and Bilge-strakes and Ceiling between are German Oak except a few boards in latter of Tamarac

The Ceiling, Lower Hold, and between Decks German Oak & Tamarac Shelf Pieces and Clamps Red Pine & Tamarac see note

Fastenings.—To Hold Beams

Deck Beams dovetailed to shelf & inner wall & secured 3/4 down into Beam & Cross bolted 11 pair Hang Iron Knees 3 pair Staple Led Iron Knees for 2 pair 8 aft also Staple Iron Knees in Mast rooms

Number of Breasthooks 3 for 1 & 3 aft Pointers Crutches one Iron aft

Butt End Bolts are of Iron in the Bottom: two Bolts in each Butt End one through and clenched, & one short

Bilge and Limber Strakes Iron bolted through and clenched. Treenails of But Oak How Made Engine turned

Thickstuff over Double Floors bolted through and clenched. General Quality of Workmanship Good

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

Builder's Signature J. D. Berne Surveyor's Signature Thomas Alexander

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

She has SAILS.

N^o.
1 Fore Sails,
1 ~~Fore~~ ^{Gaff} Top Sail,
1 Fore ~~Topmast~~ Stay Sails,
1 Main Sails, ^{1 Tysail}
~~Main Top Sails,~~
and ~~other sails reg^d~~

CABLES, &c.

	Fathoms.	Inches.
Chain	60	1 1/2
Hempen Stream Cable }	60	3 1/4
Hawser	75	4 1/2
Towlines	65	6
Warp	75	3 1/2

All of Good quality.

ANCHORS, and their weights.

	N ^o .	Weight.
Bower,	2	4.3.10
Stream,	1	1.2.9
Kedge,	1	1.0.0

Her Standing and Running Rigging are Hemp sufficient in size and in quality.

She has One 14 ft ~~Long~~ Boat and DM Capstan Good Rudder Good Pumps on Metal

The present state of the Windlass is Good fitted with purchase

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 19th Jan^y 1861
2nd. When the Beams are put in, &c. 1st June 5th
3rd. { When completed, and before the plank be painted or payed } 27th July 31st August 1861

*This vessel is composed of good quality of materials
Is flush deck'd with square stem formed with a
thick well bound*

*Ceiling in Lower Hold between Timber & Belge streaks has
a few Hoods composed of Tamarac now Contrary to rule
for the 8 years grade. This vessel however was in
progress prior to the alteration in Table A being used*

Present condition of Caulking of Bottom, Efficient Deck, Efficient and Waterways Efficient

If Sheathed, Doubled, Felted, or Coppered Single bottom When last done

I am of opinion this Vessel should be Classed SA1

The Amount of the Fee.....£ 1 : " : " is received by me,

Special£ 2 : 2 :
Certificate£ 2 : 6 :
£ 3 4 6

Committee's Minute 26th August 1862

Character assigned A1 for 8 years

Exp^{ts} charges £2.00

Thomas Alexander

