

No. 1323 Survey held at Milford Date 10th June 1869
on the Schooner "Emma and Agnes" Master Thomas Jenkins
Tonnage under tonnage deck 117 1/100 Built at Milford When built 1868-69 Launched 10th June 1869
Reduced by deduction for crew space 109 1/100 By whom built John Lloyd Owners John Lloyd
Ditto of poop or spar deck
Total tonnage 117 1/100 Port belonging to Milford Destined Voyage Swana to Lisbon
Surveyed while Building, Afloat, or in Dry Dock While Building.

Length as per section 39 ..	Feet. 85-0	Inches. 3	Extreme Breadth Outside	Feet. 21	Inches. 4	Depth of Hold	Feet. 10	Inches. 11	Number of Decks	1
Length of Keel	77	0	IN SHIP. Moulded.	21	4	(Depth from limber-strakes to under side of lower deck beam	10	11		
Scantlings of Timber.										
TIMBER AND SPACE	19		Middle. Ends.	19		Outside Plank.	In Ship. Required Rule.	Dimensions of Ship per Register,		
Floors	8	9		7 1/2	7 1/2	Garboard Strakes ..	2 1/2	length 85-7 breadth 21-4 depth 10-9 1/2		
1 st Foothooks	7	4		6 1/2	6 1/2	Garboard to Bilge ..	2 1/2			
2 nd Ditto	6 3/4			6	6	Bilge Planks	4			
3 rd Ditto	6			5 3/4	5 3/4	Bilge to Wales	2 1/2			
Top Timbers	6	5 1/2		5 3/4	4 1/2	Wales	4			
Deck } No 18 Average } 3'-10"	7 1/2	7 1/2	6 1/4	7 1/2	6 1/4	Topsides	2 1/2			
Beams } Space }						Sheer Strakes	3			
Deck Beams, length amidships	20	18				Plank Sheers	3			
Hold } No - Average }						Water } Upper Deck 6x8	6x8			
Beams } Space }						Ways } Lower Deck				
Hold Beams, length amidships						Ditto, faying surface against Timbers ..	3			
Keel	11	12		9	9	Upper Deck	2 1/2			
Scarp of Ditto	6-0			4-3	10					
Keelsons	11	11 1/2		10	10					
Scarp of Ditto	5-0			4-9						

Size of Bolts in Fastenings, distinguishing whether Copper, Yellow Metal, or Iron; also of Treenails.										
Heel-Knee, & Deadw'd abaft	1	15/16	Transoms and throats of Hooks	1	13/16	Hold Beam	Waterway ..			
Scarp of Keel, No. 2	3/4	3/4	Arms of Hooks	3/4	3/4	Bolts in	Knees			
Keelson Bolts through Keel	1	13/16	Thro' Bilge & Limber Strakes	3/8	3/8		Shelf or Clamp			
at each Floor		13/16	Thickstuff over Double Floors	-	-	Deck Beam	Waterway ..	3/4	11/16	
Bolts thro' Heels of Timbers	3/4	11/16	Butt End Bolts	5/8	5/8	Bolts in	Knees	3/4	3/4	11/16
against Deadwood		11/16	Pintles of the Rudder	2 1/4	2 1/4		Shelf or Clamp	3/4	11/16	
						Nails or Bolts in Flat of Deck		5/8	11/16	
						Treenails Inches 1 1/2		5/8	11/16	

Timbering.—The Space between the Floor Timbers and Lower Foothooks is 2 Inches. The Space between the Top-Timbers is 3 1/2 Inches.
The Floors consist of English Oak The First Foothooks of English Oak
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 3/4 N. B. When less than prescribed by the Rule, state how many.
The rest of the Shifts of the Frame are 3/4 to 4 ft
The Frame is well squared from First Foothook Heads upwards, and fairly free from sap, and from thence downwards, the frame is fairly squared
The whole of the Frames are frame 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 well chocked with a Butt at each end of the chock. The Main piece of Rudder is Eng Oak of Windlass is Eng Oak
The Keel is Amer. Elm The Main Keelson is Pitch Pine and are free from all defects.
The Stem, and Stern Post of English Oak The Transoms, Knight Heads, Hawse Timbers, and Aprons of English Oak Deadwood, of Eng Oak 12 ft aft and are quite free from all defects.
The Deck and Hold Beams of English Oak The Breasthooks of Iron & Eng Oak The Knees of Iron & Eng Oak
Planking Outside.—From the Keel to the Height defined in Note to Table A } the Plank is American Elm
or to the First Foothook Heads }
From the above named Height to the Light Water Mark Red Pine
From the Light Water Mark to the Wales Red Pine
The Wales and Black-strakes are Dantric Oak & Red Pine The Topsides & Sheer-strakes Dantric Oak & Red Pine
The Spirketting and Plank-sheers English Oak & Red Pine The Water-ways { Upper Deck Eng Oak & Red Pine
Lower Deck
The Decks Yellow Pine State of 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 3 strakes between, and without step-butting.
Planking Inside.—The Limber-strakes and Bilge-strakes are Red Pine
The Ceiling, Lower Hold, and between Decks Red Pine Shelf Pieces and Clamps Red Pine
Fastenings.—T Hold Beams

Deck Beams Double lodging knees of English Oak to all beams; two pairs of hanging knees also to main hatchway beams.
Number of Breasthooks 1 Iron 2 Eng. Oak Pointers
Butt End Bolts are of 4. Metal in the Bottom. Two Bolts in each Butt End One through and clenched.
Bilge and Limber Strakes 4. Metal bolted through and clenched. Treenails of Eng Oak How Made Eng 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 John Lloyd Surveyor's Signatures J. H. E. Astlake

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

and *Rigging wire* All of *good* quality. Kedge, *do*

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

No. _____ Date _____

held while building,

No. _____ Date _____

as per Section 35.

2nd. When the Beams are put in, &c. 10th Sep^r 4

3rd, { When completed, and before the } *2^d Nov^r*
 { plank be painted or payed } *4*

Cables tested at Aetherton; certificates signed M. H. Peade.
Bowers first tested at Cradley; now retested at the
Butt Docks, Cardiff; new certificates signed
A. E. Taylor.

The grade of this vessel was intended for the 8 yrs grade, but on survey of it, was reduced to 7 yrs.

T.C.

~~If Sheathed, Doubled, Felted, or Coppered~~

~~When last done~~

We are

I am of opinion this Vessel should be Classed A1 for 7 years.

The Amount of the Fee.....£ 2 : 0 : 0 is received by me, J.H.S.

Special£ 3: 3: 0

Certificate £ : 2 : 6

J. H. Eastlake.

Committee's Minute 25th June 1869

Character assigned

A 1 for 7 Years

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Lloyd's Register
Foundation

LRF-PUN-MIL 768-337R