

No. 3 Survey held at New Glasgow Date June 8th Rec 18/7/64 1864
on the Barque "S. M. Morales" Master W. A. Croscup
Tonnage Old Built at New Glasgow When built 1864 Launched 21st May 1864
By whom built D. M. Donald Owners P. Cregar.
Port belonging to Pictou N.S. Destined Voyage Bristol. G.B.
If Surveyed while Building, Afloat, or in Dry Dock While Building

Length aloft		Feet.	Inches.		Extreme Breadth Outside		Feet.	Inches.	Depth of Hold		Feet.	Inches.	
		140					30	6			17	2	
Thickness of Plank.													
Scantlings of Timber.													
		Sided.	Moulded.			REQUIRED PER RULE.							
		Middle.	Ends.	Middle.	Ends.								

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

Copper or Y.M. in Ship.			Inches required per Rule			Copper or Y.M. in Ship.			Inches required per Rule			Copper or Y.M. in Ship.			Inches required per Rule		
Heel-Knee, & Deadw'd abaft			1 1/4 1 3/16			Transoms and throats of Hooks			1 1/4 1 3/16			Hold Beam { Waterway ..			1 1		
Scarphs of Keel, N°. 8			1 1			Arms of Hooks			1 1 1 1/16			Bolts in { Knees			1 1		
Keelson Bolts through Keel			1 1/8 1 1/16			Thro' Bilge & Limber Strakes			1 1 1 1/16			Shelf or Clamp			2 7/8 1		
at each Floor			1 1/8 1 1/16			Thickstuff over Double Floors			1 1 1 1/16			Deck Beam { Waterway ..			1 1 1 1/16		
Bolts thro' Heels of Timbers			3 1/4 1 1/16			Butt End Bolts			1 1 1 1/16			Bolts in { Knees			1 1 1 1/16		
against Deadwood			3 1/4 1 1/16			Pintles of the Rudder.....			3 1/2 3 1/2 3			Shelf or Clamp			1 7/8 1 1/16		
Timbering			The Space between the Floor			The Space between the Floor			The Space between the Floor			Nails or Bolts in Flat of Deck			Iron nails 1 3/8 1 3/4		
The Space between the Floor			The Space between the Floor			The Space between the Floor			The Space between the Floor			Treenails Inches			1 3/8 1 3/4		

Timbering.—The Space between the Floor Timbers and Lower Foothooks is 2 Inches. The Space between the Top-Timbers is 3 Inches.

The Floors consist of Birch and Spruce. The First Foothooks of Spruce

The Second Foothooks of Spruce and Pine. The Third Foothooks and Top Timbers of Spruce and Pine.

The Shifts of the First and Second Foothooks are not less than 4 ft 8 in. N. B. When less than prescribed by the Rule, state how many.

The rest of the Shifts of the Frame are 4 ft 6 in.

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

The Frames are 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 1/3 of the entire moulding at that place.

The Frame is short and chocked with a Butt at each end of the chock. The Main piece of Rudder is Oak of Windlass is Oak

The Keel is Birch The Main Keelson is Spruce and free from all defects.

The Stem, and Stern Post of Damarac The Transoms, Knight Heads, Hawse Timbers, and Aprons of Spruce

Deadwood, of Spruce and Birch and are free from all defects.

The Deck and Hold Beams of Spruce The Breasthooks of Spruce The Knees of Spruce

Planking Outside.—From the Keel to the Height defined in Note to Table A or to the First Foothook Heads the Plank is Birch

From the above named Height to the Light Water Mark Birch

From the Light Water Mark to the Wales Birch and Spruce

The Wales and Black-strakes are Birch and Spruce The Topsides & Sheer-strakes Birch and Spruce

The Spirketting and Plank-sheers Spruce The Water-ways Upper Deck Pine and Spruce Lower Deck Spruce

The Decks Yellow Pine State of Good order

The Shifts of the Planking are, not less than 6 Feet 4 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 thru strakes between, and without step-butting.

Planking Inside.—The Limber-strakes and Bilge-strakes are Spruce

The Ceiling, Lower Hold, and between Decks Spruce Shelf Pieces and Clamps Spruce

Fastenings.—To Hold Beams Lodging Runes Sides 8" bolted with 1" Iron with 16 Pairs Iron Runes Riders and 3 Pairs of Runes in Pointers

Deck Beams Lodging Runes of Spruce 12" bolted with 1 1/2" Iron with 12 Pairs of Iron Runes and 1 Pair of Wooden Runes.

Number of Breasthooks Four Pointers Three Crutches Three

Butt End Bolts are of 2" Iron in the Bottom: Two Bolts in each Butt End thru which is through and clenched.

Bilge and Limber Strakes are fastened thru bolted through and clenched. Treenails of Beech & Damarac How Made Curved

Thickstuff over Double Floors are 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 L. O. McDonald Surveyor's Signature Joseph F. Tucker

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 .			Certificates exhibited	Fathoms.	Inches.	Certificate exhibited	N ^o .
2	Fore Sails,		Chain ...	180	1 1/2	Bower, ...	1
2	Fore Top Sails,		Hempen Stream Cable ...	90	1 1/4	Stream, ...	1
2	Fore Topmast Stay Sails,		Hawser ...	90	90	Kedge, ...	1
1	Main Sails,		Towlines ...	90	7		
1	Main Top Sails,		Warp ...	90	4		
and			All of <u>good</u> quality.				

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

She has 1 - 24 ft Long Boat and 1 - 21 ft Pinnace

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>30th Sep^r 1863</u>
	2nd. When the Beams are put in, &c.	<u>23rd Jan^y 1864</u>
	3rd. { When completed, and before the plank be painted or payed }	<u>5th June 1864</u>

The frame of this vessel is well put together with double floors and the planking is well fitted and secured to timbers when seen. Lower deck Waterway is bolted through in every

Number and Size of Iron Nails and Riders	Deck	Hold	
Number of Iron Nails and Riders Pairs	13	16	
Breadth of ...	3 1/4	3 1/4	
Thickness ...	4	4 1/4	
Length of beam arm	3.2	3.3	
Length of side arm	5.3	-	
Side arm of Riders extend upon floors and to within 3 feet 6 in of side of keelson and are bolted with 1 1/2 in Iron.			
Number of bolts in Beam arms	3	3	
Number of bolts in Side arms	4	11	
Size of ...	1 1/4	1 1/2	

timber and having 13 pairs of Diagonal Iron plates 4 x 1/2 in bolted on the outside of frame and having anchors and Chains tested as required by Rules I consider her eligible to Class 4 AI

Present condition of Caulking of Bottom, good Deck, good and Waterways good
pieces are cut out of bottom as a final test

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

I am of opinion this Vessel should be Classed 4 AI

The Amount of the Fee.....£ 5 : 0 : 0 is received by me,

See for Extra Charges Special£ 5 : 5 : 0

Certificate£ : 5 : 0

Expenses 19.10.0

Committee's Minute 19th July 1864

Character assigned A 1 for 14 Years

Joseph Tucker



Anchor Certificate of Class to M. S. Lindsay & Co Liverpool

NSC 1130/6