

Recd J. W. Watt 15/9/68
25. 9/11/68
— "Antonia" Now Ben Lorned

Extract of letter from Messrs. Dickson & Co. dated
Dumbarton, Bordeaux 3rd Sept. 1868

Recd 12/9/68
Also 8/2/69

Translation.

Messrs. A. W. Millan & Son, Dumbarton.

"Gentlemen, We have the honor of sending you the
"transverse section of the Ship 'Antonia'. This tracing
"is in every respect according to the execution, but it is possible, that
"during the course of the work we have made some additions which
"may have been omitted to be noted: they will not, however, be of
"much importance. Since the ship has been constructed it has
"been only once in our port, after first voyage: this is the reason
"why we have not had occasion to repair it: but we know, that
"it has been repaired at Havre & that they strengthened the
"upper deck by iron diagonals under beams. We do not know
"how the work has been executed but we may remark they are
"in addition to our first plan: our drawing does not exhibit.

"It will be easy for you to judge by giving you these additions and
"all the interior timber work of the ship: but we think you
"will be able to complete our drawing by the following directions:

"Thickness of the wales is — — — — — 0.189 — 6 3/4

"Each wale is attached to each frame by two Lion bolts.

"Second plank from keel is double thickness of first,

"(placed against frame) varies from — — — — — 0.109 — 4 1/2

"This first plank is fixed to frame by iron bolts & nuts.

"Thickness of second plank (outside former one) — — — — — 0.055 — 2 1/2

"Second plank is fixed to first by pegs & red copper bolts,

"placed at the medium distance of — — — — — 0.290 — 10

"Before the application of the second plank they caulked the first &
"applied pitch & tar on which they put hair felt. It is needless

"to explain how the employment of the two planks, specified, gives to ships
"of this description a great strength. This strength dispenses with

"the use of iron diagonals: there are no diagonals between the planks
"or against iron frame. All the other longitudinal bindings are shown

"in tracing & easy to be seen in interior of ship."

Dimensions of Ship Antonia Length 220.9 ft. }
Breadth 44.8 " } 1646 Tons
Depth 23.11 " }

GLS187-0053

Ben Lomond

Santa Antonio



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