LLOYD'S REGISTER OF SHIPPING RECEIVED -3 DEC. 84 LONDON
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Ltr: to Gls:
4/12/84.
12.2.85.
27.2.85.

No 305.

Midship Section of
Proposed S.S. 250' x 36' x 24' m&t
To class 100 A1 Spar decked at Lloyds.
Scale ½" = 1 foot.
Steel Scantlings in Blue

S.S. "Barcoo" "Glasgow" Report No. 7142.—

Sister Vessel to Steel S.S. "Maronoa" No. 221 in Register Book except that the vessel has cellular double bottom in fore & after holds & under engines, while the "Maronoa" had ordinary floors all fore & aft.

WILLIAM DENNY & BROTHERS DRAWING OFFICE No. 11484 1 DEC 84 LEVEN SHIPYARD DUMBARTON

Forecastle deck planks 4½ x 2½ teak. Length of Forecastle 32 feet
4½" x 2½" teak
Stringer 24 x 7/16
Bridge Beams 7½ x 3 x 7/16 Angles 4 ft apart well supported at ends.
Forecastle Stringer 30" x 7/16" to 24" x 7/16" Angles 3 x 3 x 7/16
" Beams 6½ x 6/16" 4 ft apart
Lower deck stringer 28 x 7/16 Angles 3 x 3 x 7/16 & 4" x 4" x 9/16
" " tie plate 12" x 8/16
" " beams 7" x 7/16 bulb tee 4 ft apart fort
" " 5" x 3" x 7/16 Angles 2 ft apart aft.

Note.— Plan will be submitted showing additional strengthening in way of erections.

3" Pine or 2½" teak
Half iron deck 6/16
Stringer 35½ x 8/16 to 28 x 7/16 2½ x 2½ x 7/16
Bulwark 5/16 iron
Doubling for sidelights 10" x 7/16
Bulb Tee 7" x 7/16
Alt. rev. frame and all rec. in way of forecastle.
Sheerstrake 45" x 10/16
Beams at ends of Hatches exceeding in length six spaces of frames, must be same size as M. D. Beams.

Numerals

2½" diar.

½ Breadth	18·	
½ Girth	30·43	
Depth	17·14	
	65·57 x 24·57 x 16·381	57 Rating etc.

Proportions

Under ¼ Breadths	6·0	
" 1·5 Depths	14·46	to Main deck.
1 off for Spar deck	1·0	
	13·46	

Between decks intended for Passengers.

3 x 3½" pitch pine Tie plate 12 x 10/16
Stringer 50" x 7/16 to 28 x 8/16
Bulb Tee 8½" x 8/16 to 7½ x 7/16 at ends.
7/16 not reduced at ends
Doubling plate 9/16 for 3/5ths length.
Alt. rev. frame
Rudder diar. at head 5¾ at heel 3"
Bulkheads 0·5/16 angles 4 x 3 x 7/16

½ breadth	18·
½ girth	35·43 to Spar dk.
depth	24·89 " "
	81·37 x 348·7 = 20236·72 + 1/10 for equal scantling

Equipment Numeral

20236·72 + 1/10 = 21,585

Anchors	2 Bowers	~~2243~~ cwt.	ex. Stock } 79 cwts.
	1 "	~~335~~ 25½	" "
	1 Stream	~~84~~ 9½	" "
	1 Kedge	~~48~~ 4¾	" "
	1 "	~~22~~ 2½	" "
270 fathoms		1¼	steel chain cable.
75 "		1 1/16	stream chain or 4" steel wire
90 "		11"	hemp towline 8½" "
90 "		9"	hawser
90 "		7½	warp.

3⅜" diar.

Frames increased ½" in depth to compensate for spacing them 24" instead of 23" apart.

Bilgestraps of keel and doubling plate to be fitted inside it to be the whole breadth of the keel plate, with liners between under fore & aft angles

Inner bottom plating 6/16" under engines 1"

Diamond plate 7/16
3 x 3 x 6/16
Intercostal 7/16
Diamond plate 7/16
3 x 3 x 6/16
Intercostal 7/16
Deep plate frames every 12 ft apart 12 x 7/16
Bulb 9 x 8/16
Angles 3 x 3 x 7/16 top riveted to shell.

After hood ends of plating to be full midship thickness from the keel to shaft above stern frame 10/16 piece

The rivets in frames of after peak attaching them to shell plates to be riveted one inch closer than elsewhere.

The pitch of the rivets in frames, rev. de. and floors must not exceed 7 diars. apart.

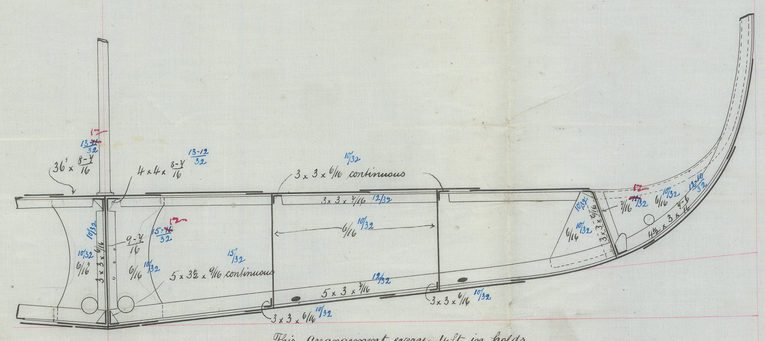
Bilgestraps of deck stringer plates, sheerstrakes & three strakes of plating at the bilge to be 1/16" thicker than the plates they connect and treble riveted for ⅖ length ✱.

All shell steel bilgestraps 20% thicker than the plates they connect.

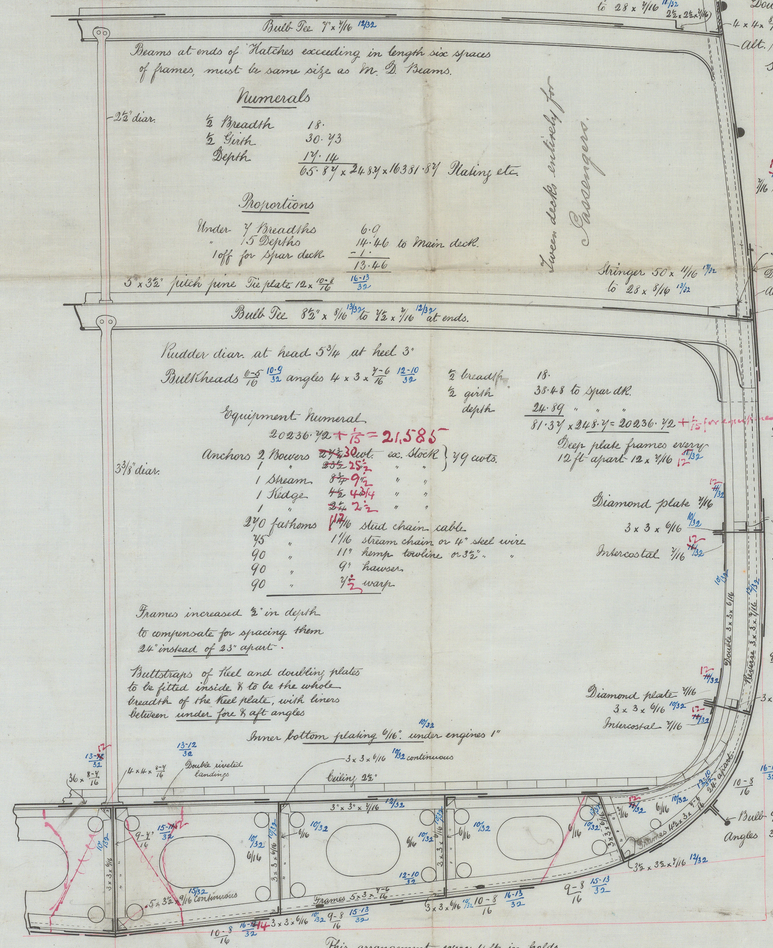
Boss plates 1/16" thicker than ✱ plating.

Rivets in stern frame to be pitched 1" closer than required by rules.

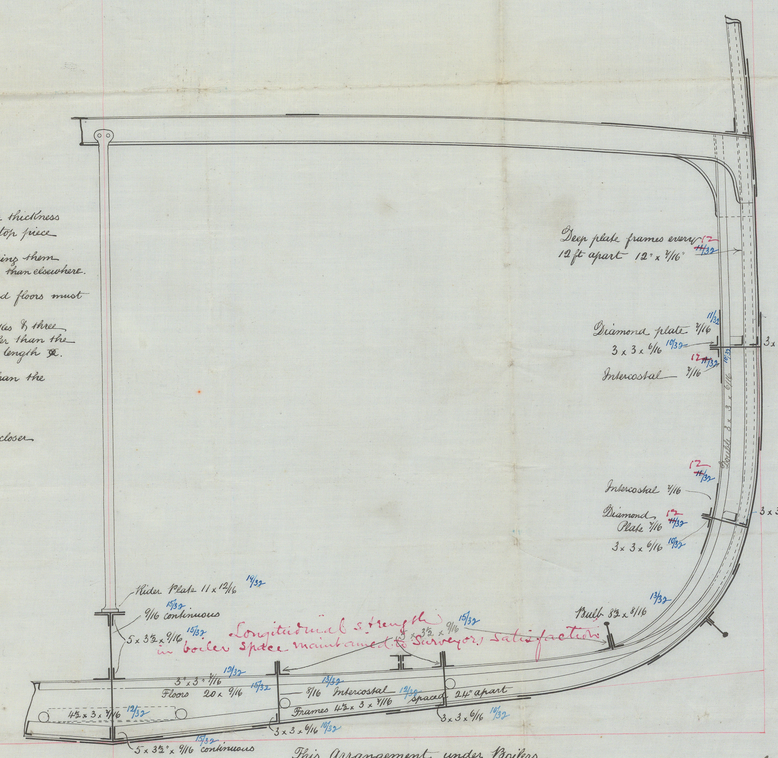
Keel plate 34 x 19/16
Keel doubling plate 10·8/16 for 3/5 ths
Stem 8" x 2½" to 7" x 2" at head
Stern frame 8" x 5"



This Arrangement every 4 ft in holds



This arrangement every 4 ft in holds
Under engines every 2 ft.



Longitudinal strength in boiler space maintained to Surveyor's satisfaction

This Arrangement under Boilers.

3/12/84

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