

Iron screw steamer

No 154
Scale 1/2" = 1 foot

Class 100A Iron Rules 1891-92. Sept 3rd 191

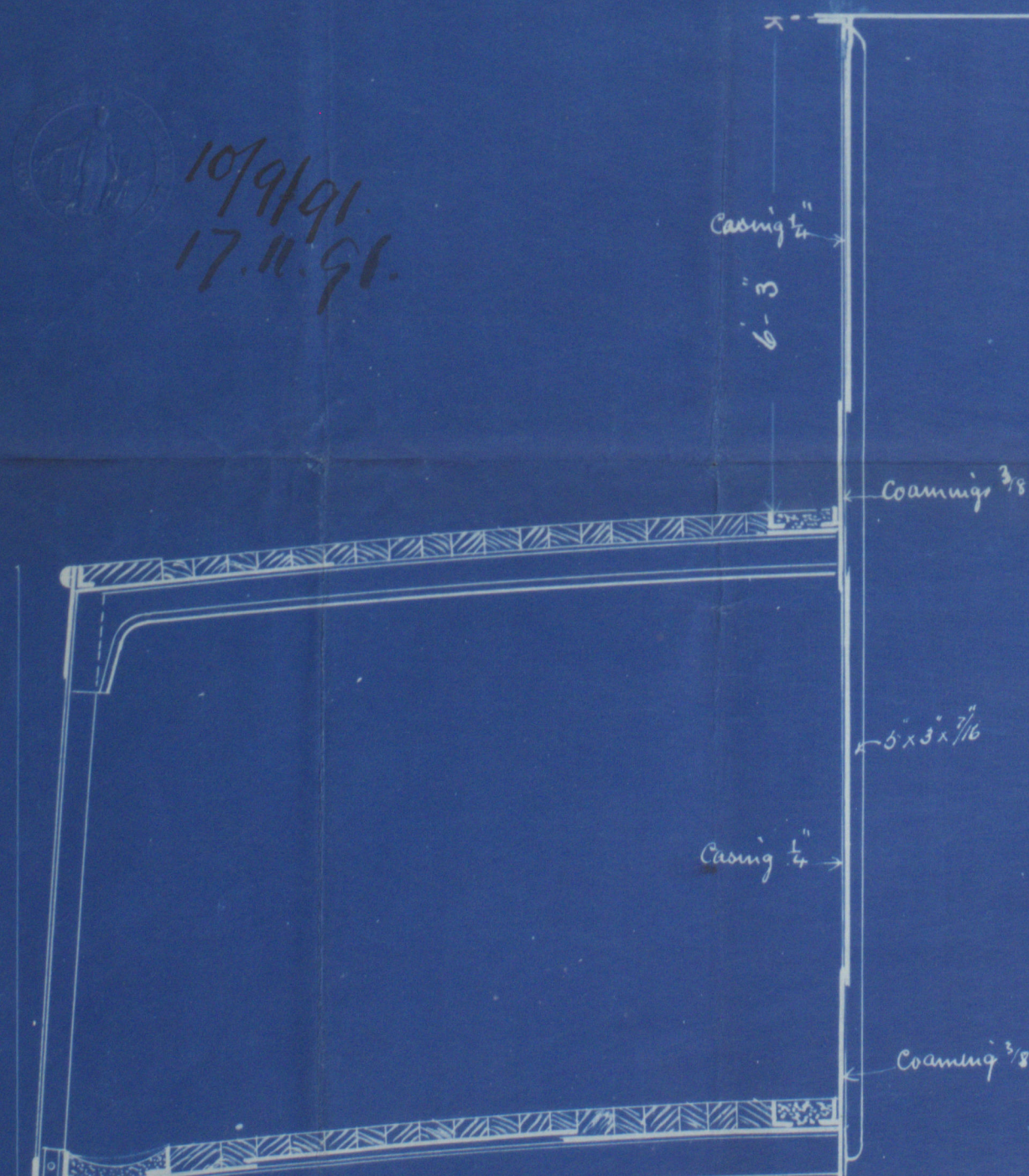
W. & A. DUNGENESS
ENGINEERS
& SHIPBUILDERS
DUNDEE

S. S. Dungeness
Dungeness Report
No 5713

REGISTERED
DUNDEE
SHIPPING

11/1/91

10/9/91
17.11.91



Anchors & Chains

2 Bowers each	29 1/2	cor Stockless
3 Web Frames	25 1/4	
Collective weight	83 3/4	
1 Stream	8	
1 Kedge	4	
270 Fathoms	1 1/2	
75	1 1/2	
or Steel wire	3 3/4	
90 Fathoms towline	10	
90	8	
90	8	

Riveting

Buttstraps of Sheerstrake, deck stringer plate, and three strakes round the bilges, are to be 1/2" of an inch thicker than the plate they connect for 1/2" length and triple riveted. Sheerstrake rivets 5/16" at ends, Garboard strake 3/8" to 5/16" at ends, Deck stringer and remainder of shell plating 3/4". Five triple riveted butts to have half the number of rivets in each row. Butt rivets spaced 4 dia. Landing 4 to 4 1/2 dia. Keel, Stem, & Stempost 5 dia. Keelson, floors, frames, and ree frames, frames & outside plating, and the beam angles & dia. Beek plating 1/2 dia edges 1/4 to 1/2". Stringer Chocks to have 1/2 rivets in each.

Dimensions	
Length between perpendiculars	246'-4"
Breadth moulded	33'-6"
Depth	17'-2 1/2"
Depth in Hold to top of ceiling O.F.	16'-0 1/2"
Total Depth	14'-10 1/2"

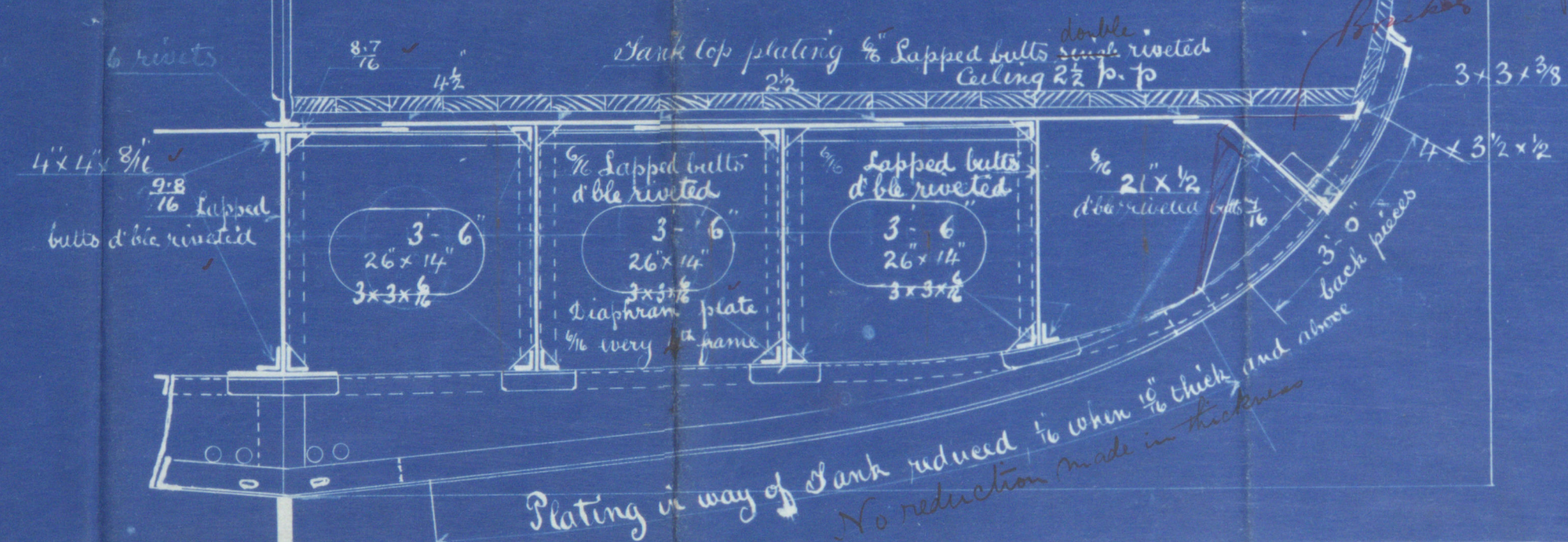
Complete view Deck 1/2" increased 1/2" in way of 5x3 1/2 p.p. E & B. Casing & main hatch, 2 1/2" riveted butts for 1/2" length 1/2" thicker & triple riveted for 1/2" length 8'.

Hatch beams bulb 8x5 1/2" single angle 4x3x 1/2"
Frames 4x3x 1/2" spaced 23" C to C
Ree frames 3x3x 1/2" 1/2" dia in E & B. Space
Bulkheads lower half 1/2" upper half 1/2"
Stiffeners 4x3x 1/2" spaced 30" C to C
Floors 19 1/2" x 1/2" in E & B. Space 1/2" thicker
Keel 8x2 1/2" Stem 8x2 1/2" Post 8x5"
Keelson angles 8x3 1/2"
Rudder, lead 5" dia. See appended sketch
Tunnel plating 1/2" stiffeners 3x3x 1/2" 4 ft apart & 3 ft in way of hatch
Bulkheads and 5" room floors no deep

Sloyd's Numerals	
Half girth	30.7948
40 Beam	16.75
Total Depth	17.3748
Sloyd's length 2 1/2 x 65 1/2 = 166 1/2	1st No 6568
160 1/2 x 2 1/2 + 20 1/2 = 200 1/2	2nd No 15300/16600
200 1/2 x 2 1/2 = 176 1/2	Equipment 17
Depth to length	13.6
Breadth to	7.3

Rider plate for 1/2" length 10 1/2" x 1/2" triple riveted buttstraps
16 x 1/2" 1/2" dia buttstraps triple riveted
Lapped and triple riveted
Steel shoe 1/2" for 1/2" length
A 3 1/4 x 1 1/2
B 4 1/2 x 1 1/2
C 3 1/2 x 1 1/2
D 4 1/2 x 1 1/2
Landing 5 1/2
Landings 4 1/2

Section thro' Tank



Plating in way of Tank reduced to 1/2" thick and above No reduction made in thickness

Stringer plate 39x 1/2 to 2 1/2" Bar 3 1/2 x 3 1/2"

Stringer plate 35 1/2 to 28 1/2" increased 1/2" at Poop front. 1/2" dia rivets 1/2" length 1/2" thicker & triple riveted for 1/2" length 8'.

Gutter angle 3x3x 1/2" Stringer 5x3 1/2" Chocks 3 1/2 x 3 1/2"

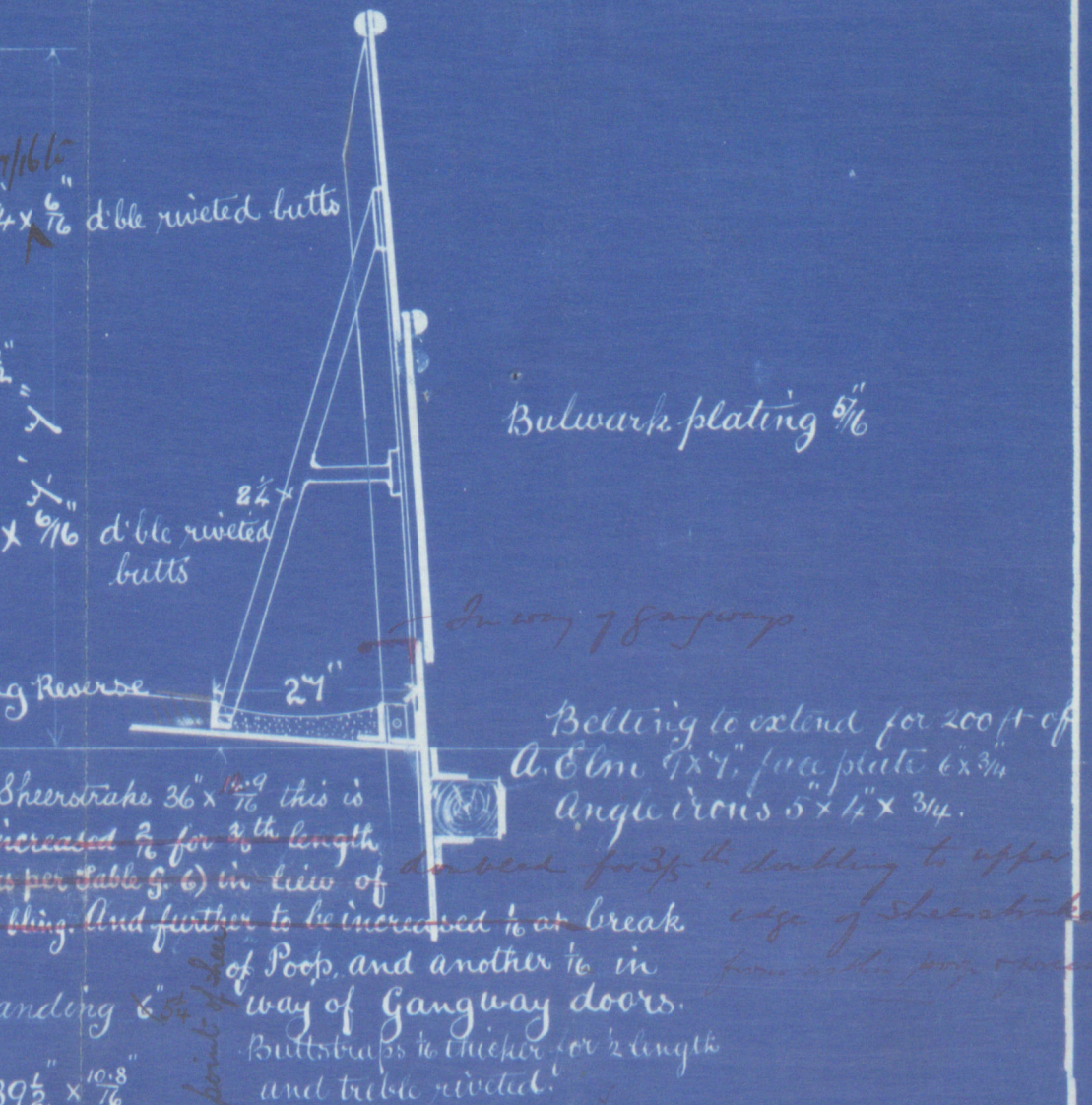
Stringer plate 31 1/2 to 24 1/2" Bar 4x4x 1/2"

Intercooler 1/2" for 1/2" length

E 4 1/2 x 1 1/2" Buttstraps 1/2" thicker for 1/2" length & triple riveted

Stringer plate 31 1/2 to 24 1/2" Bar 4x4x 1/2"

Stringer plate 31 1/2 to 24 1/2" Bar 4x4x 1/2"



Bulwark plating 1/2" Belling to extend for 200 ft of 1/2" dia rivets 1/2" length 1/2" thicker & triple riveted for 1/2" length 8'.

K Sheerstrake 36 x 1/2" this is increased 1/2" for 1/2" length (as per table 5.6) in lieu of 1/2" dia rivets 1/2" length 1/2" thicker & triple riveted for 1/2" length 8'.

Landing 4 1/2" I 39 1/2 x 1 1/2"

Landing 4 1/2" H 4 1/2 x 1 1/2"

Short Reverse 17 1/2 x 1 1/2"

Landing 4 1/2" C 48 x 1 1/2" Buttstraps 1/2" thicker for 1/2" length & triple riveted

Landing 4 1/2" 12 x 1 1/2" for 150 ft

Landing 4 1/2" 1/2" dia rivets in E & B Space

F 4 1/2 x 1 1/2" Buttstraps 1/2" thicker for 1/2" length & triple riveted

Height of Floors

Other chocks on 1/2" beam & 1/2" beam chocks on 1/2" beam have buttstraps 1/2" thicker than the plate they connect & to be triple riveted in addition to the requirements of part section 20

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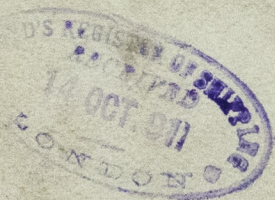
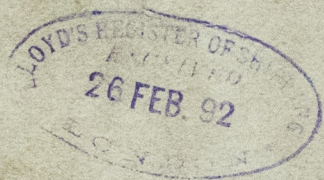
Midship Section
of
Iron, Scw. Str.

No 154

Gourlay Gros & Co

Name - S.S. Dungeness.

Dundee
Report No 5743.



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Foundation