

Midship Section

S.S. No 156

Scale 1/2" = 1 Foot

S.S. Federation Ltd. reports No 14.101-14.105

20.5.86

All material dimensioned on 20<sup>th</sup> to be of Steel

S.P. AUSTIN & SON  
IRON & STEEL SHIPBUILDERS  
REPAIRERS  
SUNDERLAND

Numerals  
1/2 Breadth = 15.29 = 7.1 Bottom to lth  
Depth = 15.08 = 14.47 Bottom to lth  
1/2 Girth = 27.33  
57.70 = First Number  
218.25  
12593.025 = 2<sup>nd</sup> number  
1259.302  
13852.327 = Equipt number

Class 100 A1 Lloyd's

Doubling below Main Stringer  
20 x 3/20 for 3/4 lth

- Outfit
- 2 Bower Anchors in Stock 18 cwt
  - 1 " " " 15 1/2 "
  - 1 Stream " " 6 1/2 "
  - 1 Kedge " " 3 1/4 "
  - 1 " " " 1 1/2 "
  - 240 fathoms chain cable 1 7/8 inches
  - 60 " Stream chain 1 5/16 "
  - 90 " Towline 9/2 "
  - 90 " Hawser 7/2 "
  - 90 " " 5 1/2 "

Outside Strakes of Shell Plating  
not exceeding 40  
exceeding 40 inches from side strakes  
exceeding 40 inches to be triple riveted  
with strakes 1/20 thicker than  
required by Circular No 582.

Frames 3 1/2 x 3 1/2 for 1/5 lth 3 1/2 x 2 1/2 at ends spaced 22 apart  
Reverse frames 3 x 2 1/2 to Main & Lower Stringer alternately  
Single Bar in Engine & Boiler Space 5 x 3 1/2 x 1/20 with 3 x 3 1/2 x 1/20 lugs to connect engine  
Keel forged bar 7 x 2 3/8 Stem 7 x 2 3/8 Stem Post 7 x 1 1/2  
Rudder Head 5 x 3 1/2  
Bulkheads 7/20 angles same size as their respective frames

Brackets Floor 6/20 spaced 2 frames apart  
Rivets in bulk of shell plating and  
stringer to be spaced not more than  
3 1/2 diameters apart.

Frames extending from Bulk to Bulk same length  
Double Bottom 16 in plates 7/20 in E & Boiler Space  
Bulk of Double Bottom in way of 6 & 4 Boiler Bulk riveted

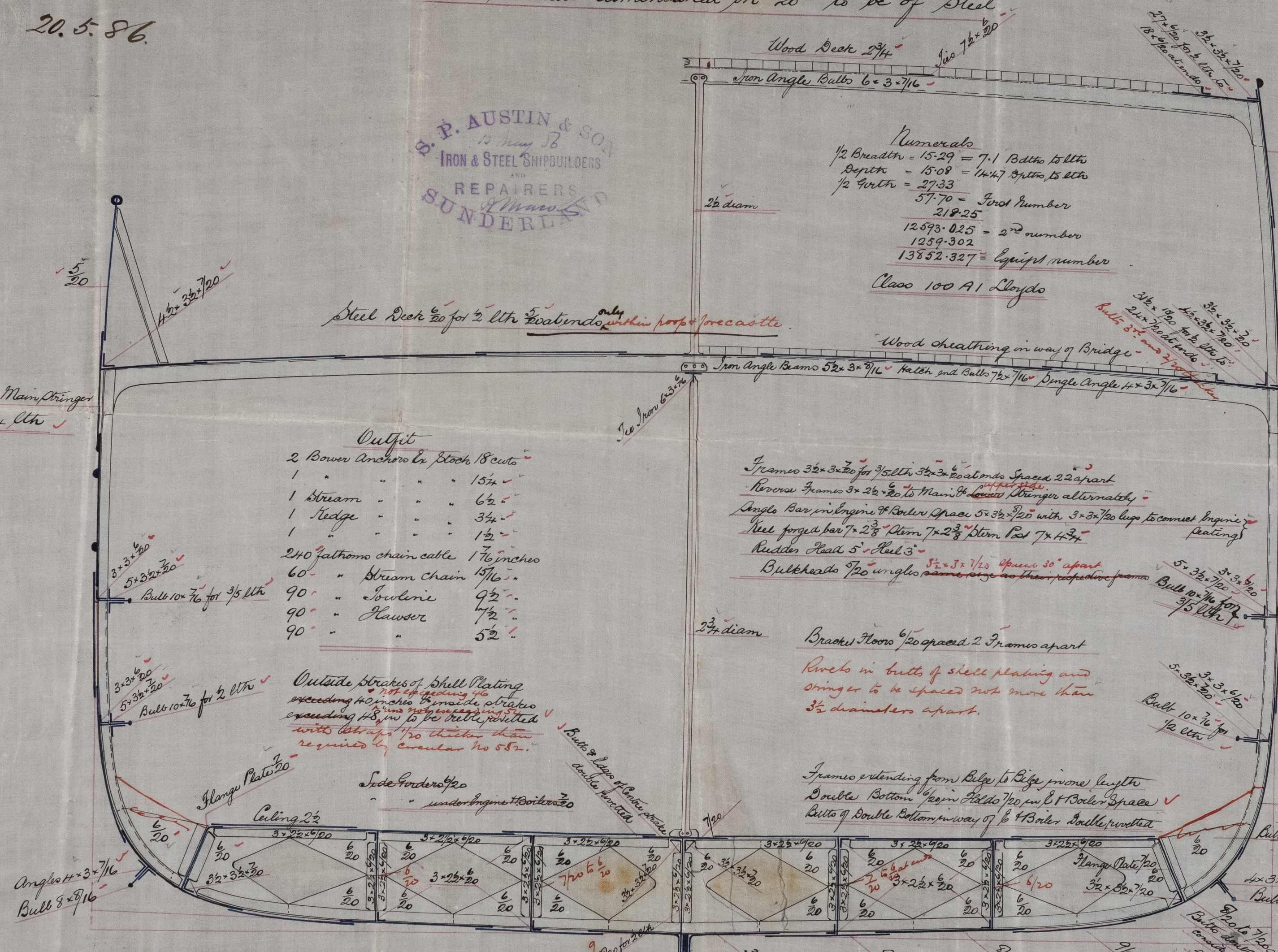
Bulk of shear strake clear of doubling  
with bristles with straps 1/20 thick  
36 x 10/20 for 1/2 lth to 7/20 at ends  
Bulk double riveted in way of doubling  
Doubling below M.S. 20 x 3/20  
for 3/4 lth & increased to  
full width at ends of bridge.

7/20 to 7/20 at ends

7/20 to 7/20 at ends

9 1/2 8  
7/20 to 7/20 at ends  
Bulk rivets riveted for 1/2 lth  
Bulk strakes 7/20 thicker than the plates  
they connect

4 x 3 x 7/6 angles  
Bulk 8 x 8 1/6  
7/20 to 7/20 at ends  
Bulk double riveted for 1/2 lth  
considering 1/20 in 3/4 lth  
and 1/20 in 1/2 lth



19/5/86

Centre keelson 30 x 7/20 for 2 lth  
8 1/2 x 1 1/2 for 1/2 lth at ends  
Double Bulkheads  
Double riveted