

Midship Section of I.P. N<sup>o</sup> 68-

To class 100 A.1. and be built under special survey —

— Scale  $\frac{1}{2}$ " = to one foot —

S. S. "Pearl" Glasgow Report No. 4099

Dr. H. C.

13.12.84.

18.2.85

- Length per rule 168 ft 10½" -
- Breadth " " 25 " 0" = 6.75 breadths in length -
- Depth " " 13 " 4" = 12.66 depths in length -
- Raised quarter deck 83 ft long x 4 ft above Main Deck -
- " fore-castle " 26 " " x 6.2 " " " -
- Cellular Double Bottom in Hold 91'6" long x 2 ft 10" high -

The following additions to requirement of Rules included under viz:  
Keel  $\frac{1}{2}$ " thicker  $\frac{1}{4}$ " deeper, Stem  $\frac{1}{4}$ " broader,  $\frac{1}{2}$ " thicker, Sternpost 1" broader.  
Two web frames in hold on each side under main deck, Stud chain cable  $\frac{1}{16}$ " heavier.

— Equipment № 9038 —

- |       |                 |                    |                  |   |
|-------|-----------------|--------------------|------------------|---|
| - 2   | Power Anchors @ | 10 cwt             | ex stock         | - |
| - 1   | "               | 8 $\frac{1}{2}$    | "                | " |
| - 1   | Stream "        | 3 $\frac{3}{4}$    | "                | " |
| - 1   | Kedge "         | 1 $\frac{3}{4}$    | "                | " |
| - 1   | "               | 3 $\frac{1}{4}$    | "                | " |
| - 195 | fathoms         | 1 $\frac{3}{16}$ " | Stud Chain Cable | - |
| - 60  | "               | 1 $\frac{7}{16}$ " | Stream "         | - |
| - 75  | "               | 8"                 | Towline          | - |
| - 90  | "               | 6"                 | Warps            | - |

- Riveting Buttostraps of sheerstrake.
- stringer plate and two bilge strakes  $\frac{1}{16}$ " -
- thicker than their plates and treble riveted -
- for  $\frac{1}{2}$  length amidships -
- Buttostraps of strake above sheerstrake -
- and strake below it at break of Q<sup>d</sup> dk  $\frac{1}{16}$ " -
- thicker than their plates and treble riveted -
- Keel, stem, Sternpost remaining butts -
- of shell, Landings to upper turn of bilge -
- also lower edge of sheerstrake all -
- double riveted. -
- Laps & Butts of Centre plate of inner bottom -
- double riveted for  $\frac{1}{2}$  length. -
- Butts of Flange plate & side Longitudinals -
- double riveted. Butts of centre through plate -
- double riveted with ~~single~~ <sup>double</sup> straps. -

3 1/2" 3 1/2" 7 1/8" angle iron  
manholes  
18" x 15"

Centre through plate  $\frac{8}{16}$

Keel side bars  $7\frac{1}{2} \times 7\frac{1}{8}$   
 Stem  $6\frac{3}{4} \times 2\frac{1}{8}$   
 Sternpost  $7\frac{1}{2} \times 3\frac{3}{4}$   
 Rudder head  $4\frac{1}{4}$  keel  $2\frac{1}{2}$

Iron main & 2<sup>nd</sup> decks  $\frac{6}{16}$ " thick

30" x  $\frac{8}{16}$ " to  
20" x  $\frac{6}{16}$ " at end

5" x 3" x  $\frac{1}{16}$ " angle iron beam on every frame

Raised Forecastle beams (  $5\frac{1}{2} \times 5\frac{1}{16}$  " Bulb iron &  $2\frac{1}{2} \times 2\frac{1}{2} \times 5\frac{1}{16}$  " angles

$\frac{1}{2}$  Breadth 12.5

$\frac{1}{2}$  Girth. 22-83

Depth 13.33

$$\frac{N^{\circ} \text{ for frames}}{=} \frac{48.66 \times 168.87}{=} 8217 N^{\circ} \text{ for plating}$$

Pillars  $2\frac{1}{2}$ " dia.

Frames of angle iron  $3" \times 3" \times \frac{5}{16}"$  for  $\frac{3}{5}^{th}$  length amidships  
and  $3" \times 3" \times \frac{3}{8}"$  at ends. Spaced 21" apart

Reverse bars  $2\frac{1}{2} \times 2\frac{1}{2} \times \frac{9}{16}$ " angle iron carried up to deck and stringer next below it on alternate frames

Floorplates under machinery  $13\frac{1}{2} \times \frac{7}{16}$  and forward & aft  
 $13\frac{1}{2} \times \frac{5}{16}$

Bulkheads  $\frac{1}{4}$  thick with  $3 \times 3 \times \frac{1}{16}$  angle stiffeners.

Wet frames 21' +  $\frac{1}{4}$ " plate with double  $3 \times 3$  +  $\frac{1}{4}$ " angle irons on face  
two in hold on each side under quarter deck and two in hold  $\frac{1}{4}$ "  
- on each side under main deck -

Wale 11" 51"

Lake & built of Top Centre Plate  
double riveted for  $\frac{1}{2}$  length  
midships Top Centre Plate  $6\frac{1}{16}$

Top plating  $5\frac{1}{16}$ "

boiling  $2\frac{1}{2}$ "

Vertical & longitudinal angle views on the  
two side longitudinals at  $3\frac{1}{2} \times 2\frac{1}{2} \times 5\frac{1}{16}$   
side longitudinals continuous  $5\frac{1}{16}$ " thick  
brackets on every 2<sup>nd</sup> frame  $5\frac{1}{16}$ "

Bulwarks  $\frac{1}{4}$ " thick  
Q<sup>r</sup> DR sides  $\frac{6}{16}$ " to  $\frac{7}{16}$ "  
and  $\frac{7}{16}$ " at break  
Forecastle sides  $\frac{5}{16}$ "

Angle iron  $3\frac{1}{2} \times 3 \times \frac{1}{8}$ "  
 $33 \times \frac{11}{16}$ " for  $\frac{3}{4}$ " length to  $8\frac{1}{2}$ "  
 at ends Doubled with  $\frac{7}{8}$ " plates  
 14 ft 3" long at 2<sup>nd</sup> OK and 12' 6"  
 long at Forecastle Break

Angle vious  $4" \times 3" \times \frac{6}{16}$   
 $4" \times 1"$  Cope  
 $8" \times 8"$  Ann. Elm.

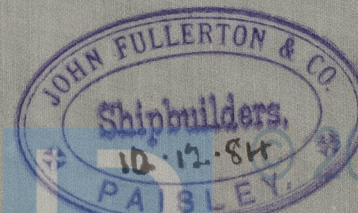
$\frac{7}{16}$ " for  $\frac{1}{2}$  length  
to  $\frac{6}{16}$ " at ends.

Angle irons  $3\frac{1}{2} \times 3 \times \frac{1}{16}$   
 $\frac{7}{16}$  for  $\frac{1}{2}$  length  
 to  $\frac{1}{16}$  at ends.

3+3+ $\frac{1}{16}$  angle iron  
 $\frac{9}{16}$  for  $\frac{1}{2}$  length  
 to  $\frac{1}{16}$  at ends.

Bracket on alternate frames  
shown by ticked line

J. H. L.  
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Lloyd's Register  
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