

Bk "Minfauns"  
Glasgow Report No. 4648.  
9.1 at Lloyds.

\* 100. A.1 at Lloyds.

Numerals.     $17.15 + 21.37 + 34.16 \dots\dots\dots = 72.68$  *Shoatship.*  
                   $Ro + Ro + Ro \times 196 \dots\dots\dots = 1425\frac{5}{8}.28$  *Longitude*  
                   $Ro + Ro + Ro \times Ro + \frac{1}{15} \dots\dots\dots = 15194.96$  *Outfit.*

Proportions.

$196. \div 34.3 = 5.7$  Moulded Breadths  
 $100. \div 21.37 = 4.67$  Depth to M. Deck

Anchor Deck. Raucous. of Angle  $5\frac{1}{2} \times 3\frac{1}{2} \times \frac{1}{2}$  alternate frames. Thru 14" deep.  
Stringer plate  $20 \times \frac{5}{16}$ . Stops  $8 \times \frac{5}{16}$  double riveted.  
WD Angle  $3\frac{1}{2} \times 3 \times \frac{5}{16}$ .  
Flat of Deck.  $5 \times 3$  pine -

Main deck 5" x 3½" G. Pine.

See Plate 11 x 9/20 for  $\frac{1}{2}$  to  $\frac{5}{20}$ . Butts overlapped  $4\frac{1}{2}$  and Double Rivet?

Beams. Bull  $8 \times 8/20$  to  $7/20$ . Angles  $3 \times 3 \times \frac{6}{20}$ . Or alternate frames. Truss. 20" deep.

✓ Keel ..... 8 x 2 1/2. Scapulas 21 1/2 "long.  
✓ Stern ..... 7 1/4 x 2 1/8 at load line to 5 1/2 x 2 3/8 at head.  
✓ Stern Post.. 7 1/4 x 2 3/8 to center to 5 1/2 x 2 3/8 at head.  
✓ Rudder.... Stock 5". keel 3". plating 9/20.

See plate 11 x  $\frac{8}{32}$  for 2 to 7/20. Butts overlapped 42 + variable Resin.  
Diagrams at Most redging. 11 x  $\frac{8}{32}$  -

Keelson. Bulk  $8\frac{1}{2} \times \frac{9}{32}$  to  $\frac{1}{32}$ . Angles  $3 \times 3 \times \frac{1}{32}$  to  $\frac{1}{32}$  on alternate frames.  
Thus  $2\frac{1}{2}$  deep

Frames.....  $4\frac{1}{2} \times 3 \times \frac{9}{32}$  for  $\frac{3}{4}$  length to  $\frac{1}{32}$ . Spaced 23 ins. to Main, Quarter and Anchor deck.

Reverse frames...  $3 \times 3 \times \frac{1}{32}$  to Main and Quarter decks - and Lower deck alternately.

Floors.....  $22\frac{1}{2}'' \times \frac{9}{32}$  for  $\frac{1}{2}$  length to  $\frac{1}{32}$  at ends.

Bulkhead.....  $\frac{9}{32}$  - angles  $4\frac{1}{2} \times 3 \times \frac{9}{32}$  spaced about 30 ins.

<u>Output.</u>				<u>Inputs.</u>			
<u>2 Borers.</u>	<u>2.7%</u>	<u>Cost</u>	<u>in Stock.</u>	<u>Lat 26-30</u>	<u>Turn.</u>	<u>270</u>	<u>Latitudes of</u>
1 400	23 1/2	400	"	23 20/100	400	75	" " 1 1/2 Steel - Lat 57 1/2 1/2
1 Stream	8 1/4	400	"	10 50/100	400	90	" " 1 1/2 Stream " 26
1 Hedge	4 1/2	400	"	6 17/100	400	90	" " 10 1/2 Pump or 3 in Steel wire.
1 400	2 1/2	400	"	4 50/100	400	90	" " 5 1/2 400

Rider Plate  $10\frac{1}{4} \times \frac{1}{20}$  to  $\frac{1}{20}$ , intersecting  $3\frac{1}{4}$  length.  
Butts overlapped 9" and tube riveted.

Vertical Plate 14 is  $\frac{1}{2}$  in. to  $\frac{3}{4}$  in. Rivets  $5 \times 3\frac{1}{2} \times \frac{7}{16}$  in.  
 Built-up. Double 24 is  $\frac{1}{2}$  in. to  $\frac{3}{4}$  in. and quadruple  
 angle 5 is  $\frac{3}{4}$  in. to  $\frac{7}{8}$  in. see p. 81

Arch Plate 1/8 mm.  
Angles 5 x 3½ x 7/20 Steel.  
WD 3 x 2½ x 5/16 mm.

Cutting 2½" Pine.

Double riveted caulking.  $4 \frac{1}{4}$  inch

Double Riveted caulking  $4 \frac{3}{4}$  inch

1 to  $1 \frac{1}{2}$  inch

Babnet 46" C. about 51" x  $\frac{9}{10}$  for  $\frac{1}{2}$  length to  $\frac{7}{10}$  at ends. Butt Sp  
Carboard about 38" x  $\frac{10}{100}$  for  $\frac{1}{2}$  to  $\frac{9}{10}$ . Strips 11 $\frac{1}{2}$ " x  $\frac{10}{100}$  to  $\frac{9}{10}$  at ends. To be riveted

Rail  $7\frac{1}{2} \times 3$  "Lean."  
 Rail angle  $3 \times 2\frac{1}{2} \times \frac{5}{16}$  iron.  
 Main Rail, of Lean  $3\frac{1}{2}$  "thick mths  $6 \times 3\frac{1}{2}$  Greenheart Lacing.  
 Rail angle  $3\frac{1}{2} \times 3 \times \frac{5}{16}$  iron.  
 Bulwark Stanchions iron.  $1\frac{3}{4}$  "dia.  
 Bulwark Plates.  $\frac{4}{16}$  iron. Straps  $4\frac{1}{2} \times \frac{4}{16}$  single Riveted.  
 Sides of Anchor deck  $\frac{5}{16}$  iron. Wd  $4\frac{1}{2} \times \frac{5}{16}$  Wd Wd  
 Sides of Quarter deck.  $\frac{7}{16}$  Steel. Butt Straps  $9\frac{3}{4} \times \frac{1}{20}$  double Riveted.  
 Single Riveted Landing.  $2\frac{1}{2}$  " wide.  
 Gunter angle.  $3 \times 3 \times \frac{5}{16}$  iron.  
 Stringer Plate.  $40 \times \frac{9}{16}$  for  $\frac{1}{2}$  length to  $26 \times \frac{9}{16}$  at ends. Butt Straps  $14\frac{1}{4} \times \frac{1}{20}$  and treble  
 riveted for half length. Remainder  $9\frac{3}{4} \times \frac{9}{16}$  to  $\frac{9}{16}$  double riveted  
 Stringer Angle  $5 \times 3\frac{1}{2} \times \frac{1}{20}$ .

Sheersstroke about  $48" \times \frac{1}{20}$  for  $\frac{1}{2}$  length to  $\frac{1}{30}$  at under. <sup>off 10' from end.</sup> Butt Strips  $16\frac{1}{2} \times \frac{13}{30}$  and Table  
wreter for  $\frac{1}{2}$  length. Remainder  $11\frac{1}{4} \times \frac{10}{30}$  to  $9\frac{1}{4} \times \frac{1}{20}$  and double wreter.

Double riveted landing  $5\frac{1}{2}$  ins wide

about...  $51'' \times \frac{1}{2}$  for  $\frac{1}{2}$  length to  $\frac{1}{2}$  at ends. Built Straps  $14\frac{1}{2} \times \frac{1}{2}$  and triple riveted for  $\frac{1}{2}$  length. Remainder  $9\frac{1}{4} \times \frac{1}{2}$  to  $\frac{1}{2}$  - double riveted.

Stronger Plate. 29" x  $\frac{7}{32}$  for  $\frac{1}{2}$  to 23" x  $\frac{7}{32}$ . Butts overlapped 4" and double riveted.  
 KD Aug 6 9 1/2 x 3 1/2 x  $\frac{7}{32}$  - for  $\frac{1}{2}$  to  $\frac{7}{32}$ .

Double riveted landing  $4\frac{3}{4}$ " wide -

about  $46'' \times \frac{9}{32}$  for  $\frac{1}{2}$  length to  $\frac{1}{32}$  at end. Belt Straps  $14\frac{1}{2} \times \frac{1}{32}$ , and double riveted for  $\frac{1}{2}$  length. Remainder  $9\frac{1}{4} \times \frac{1}{32}$  to  $\frac{1}{32}$  - double riveted.

Double riveted. Landing.  $4\frac{3}{4}$  wide -

about  $51'' \times 9/30$  for 2 lengths to  $9/20$  at ends. Both Straps  $14 1/2'' \times 3/20$  and both riveted for 2 lengths. Remainder  $9 1/4'' \times 9/30$  to  $9/20$ . double riveted.

Tolson. Aug 10.  $5 \times 3\frac{1}{2} \times 7/20$

Double Riveted Landing  $4\frac{3}{4}$ " wide.

about  $4\frac{1}{2} \times \frac{9}{32}$  for  $\frac{1}{2}$  length to  $\frac{9}{32}$  at ends. Butt strips  $14\frac{1}{2} \times \frac{12}{32}$  and triple riveted  
for  $\frac{1}{2}$  length. Remains  $9\frac{3}{4} \times \frac{9}{32}$  to  $\frac{9}{32}$  double riveted.

Double Riveted Landing  $4\frac{3}{4}$ " wide.

at  $51^{\circ} \times 9/20$  for  $\frac{1}{2}$  length to  $9/20$  at neck. Both Straps 14"  $\times 9/20$  and both riveted for  $\frac{1}{2}$  length.  
Remainder  $9\frac{1}{4} \times 9/20$  to  $9/20$  - double riveted.

Red. Butt Sticks  $14\frac{1}{2} \times \frac{12}{32}$  and triple riveted for  $\frac{1}{2}$  length. Remainder  $9\frac{1}{4} \times \frac{9}{32}$  to  $\frac{1}{32}$ . double riveted -  
 $14\frac{1}{2} \times \frac{12}{32}$  and triple riveted for  $\frac{1}{2}$  length. Remainder  $9\frac{1}{4} \times \frac{9}{32}$  to  $\frac{1}{32}$ . double riveted

8.2 Alex<sup>r</sup> Stephen & Sons  
24 1/2 1/2 1/2  
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SCALE  $\frac{1}{2}$  INCH TO A FOOT

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