

Sld. No 10201

Rec 15/7/71

Sunderland Office  
14 July 1871.

comparison on scantlings of the Iron Screw Steamer "Theio"  
Tons register, & No. 152 in the register Book. This vessel  
proposed to be lengthened 40 feet, thus making her over 8 Breadth  
12 depths in length

ensions when lengthened 220 feet, Half Breadth <sup>ft-in</sup> 13" 6  
elf girth <sup>in</sup> 27" 3, and depth from top of keel <sup>ft-in</sup> 17" 0

st number 57.95, Second No 12,749, To class 80A

scantlings in ship

ft. per rule

ames <sup>ft</sup> length  $3\frac{1}{2} \times 2\frac{3}{4} \times \frac{7}{16}$

$3\frac{1}{2} \times 3 \times \frac{7}{16}$

x

at ends  $3\frac{1}{2} \times 2\frac{3}{4} \times \frac{7}{16}$

$3\frac{1}{2} \times 3 \times \frac{6}{16}$

Reverse  $2\frac{3}{4} \times 2\frac{3}{4} \times \frac{6}{16}$

$3 \times 2\frac{1}{2} \times \frac{6}{16}$

oor plates  $18 \times \frac{7}{16}$

$16 \times \frac{7}{16}$

eel - - -  $8 \times 2\frac{3}{8}$

$8 \times 2\frac{3}{8}$

at's - - -  $8 \times 4\frac{1}{8}$

$7 \times 4\frac{3}{4}$

id line Keelson }  $23 \times 10\frac{1}{16}$  standing

tercostal } Above floors, with double  
angles top & bottom

gles to D.  $4 \times 3\frac{3}{4} \times \frac{7}{16}$

$4\frac{1}{2} \times 3\frac{1}{2} \times \frac{7}{16}$

lge Keelson angles  $4 \times 3\frac{3}{4} \times \frac{8}{16}$

$4\frac{1}{2} \times 3\frac{1}{2} \times \frac{7}{16}$  Bulb  $6\frac{1}{2} \times \frac{7}{16}$  for  $\frac{3}{5}$  len

mger angles in hold  $4 \times 3 \times \frac{7}{16}$

$4\frac{1}{2} \times 3\frac{1}{2} \times \frac{7}{16}$

her D. Beams  $6\frac{1}{2} \times \frac{7}{16}$

$6\frac{1}{2} \times \frac{6}{16}$

gles to D.  $2\frac{1}{2} \times 2\frac{1}{2} \times \frac{5}{16}$

$2\frac{1}{2} \times 2\frac{1}{2} \times \frac{5}{16}$

mger plates on D.  $26 \times \frac{7}{16}$  full

~~$3\frac{1}{2} \times \frac{7}{16}$~~   $36\frac{1}{2} \times \frac{9}{16}$  for  $\frac{3}{5}$  length

gle on D.  $4 \times 3\frac{3}{4} \times \frac{7}{16}$  full

$4\frac{1}{2} \times 3\frac{1}{2} \times \frac{7}{16}$

acing of Beams 46 in

44

old Beams  $6\frac{1}{2} \times \frac{7}{16}$

$6\frac{1}{2} \times \frac{6}{16}$

gles to D.  $2\frac{1}{2} \times 2\frac{1}{2} \times \frac{5}{16}$

$2\frac{1}{2} \times 2\frac{1}{2} \times \frac{5}{16}$

mger plates on D.  $21 \times \frac{7}{16}$

$26\frac{1}{2} \times \frac{7}{16}$

gles on D.  $4 \times 3 \times \frac{7}{16}$

$3\frac{1}{2} \times 3\frac{1}{2} \times \frac{7}{16}$

ie plates for aft dia.  $9 \times 8 \times \frac{7}{16}$  full

$10 \times 8 \times \frac{7}{16}$

is on Hold Beams double angle on  $4 \times 3 \times \frac{6}{16}$

$4 \times 3 \times \frac{7}{16}$

aboard strakes  $34 \times \frac{9}{16}$

$30 \times \frac{8}{16}$

to upper turn of Bilge  $8\frac{1}{16}$

$\frac{7}{16}$

m D. to Sheerstrake  $\frac{7}{16}$  one strake  $\frac{9}{16}$

$\frac{7}{16}$

sheerstrake -  $33 \times 10\frac{1}{16}$

$30 \times \frac{11}{16}$  for  $\frac{3}{4}$  length

July 17/71

J.M.