No. 250

MIDSHIP SECTION

STEEL S.S 445' x 49' x 34'-0" KEEL TO BEAMS

S'S' "LORD ERNE"

TO CLASS 100 A1 AT LLOYDS

THREE DECK RULE

POOP BRIDGE & FORECASTLE

SCALE $\frac{1}{2}$" = ONE FOOT

NUMERALS

24.5 + 34.2 + 53.5 − 7.0 = 105.2 FRAMING No

105.2 x 443 = 46604 PLATING No

112.2 x 443 + 2671 = 52376 EQUIPMENT No

9.04 Breadths 12.03 Depths to Upper Deck 16.8 Depths to Middle deck.

49
33.58
82.158 x 445 = 36700
445 / 33.58 = 13.25

Bridge Side plating (98)
Upper strake $\frac{10}{20}$"
Strake below $\frac{8}{20}$" increased at ends and sheerstrake doubled at ends of Bridge

(95 would require long bridge)

Steel Deck $\frac{9}{20}$"

Beams 8" x 3½" x 3½" x $\frac{12}{20}$" to $\frac{10}{20}$" channel steel spaced 30"

7" x 3½" x 3½" x $\frac{10}{20}$"

Frames 7" x 3½" x 3½" x $\frac{11}{20}$" with 7" flange $\frac{12}{20}$ channel steel as far for'd & aft as practicable. 7" x 3½" x $\frac{10}{20}$" at after end $\frac{9}{20}$" for ⅓ at fore end spaced 30"
Reverse frames 3½" x 3½" x $\frac{10}{20}$"
All channel frames to Bridge deck. Alternate reverse frames to Upper & Middle decks at ends. All reverse frames to Upper deck abaft after peak Bhd. Alternate reverse frames to Upper & fore castle decks for ⅓ at fore end
Bulkheads $\frac{8}{20}$" to $\frac{7}{20}$"
Cast Steel Sternpost 12" x 7 3/4" or equivalent
Cast Steel Rudder 10½" x 5¼"

3" dia spaced 5'-0"

3" dia spaced 10'-0" apart

7'-11½"

Steel deck $\frac{8}{20}$"

Beams 8" x 3½" x 3½" x $\frac{12}{20}$" to $\frac{10}{20}$" channel steel spaced 30"

7" x 3½" x 3½" x $\frac{10}{20}$"

3½" dia spaced 5'-0"

3½" dia spaced 10'-0"

7'-6"

34'-8" 32

Steel deck $\frac{7}{20}$" for about ½ Length

Beams 8" x 3½" x 3½" x $\frac{12}{20}$" to $\frac{10}{20}$" channel steel spaced 30"

7" x 3½" x 3½" x $\frac{10}{20}$"

26'-0½" 24

4½" dia spaced 5'-0"

4½" dia spaced 10'-0" as far for'd & aft as practicable

14'-3½" 02

40" x $\frac{15}{20}$" Double riveted

36" x $\frac{18}{20}$"

fourfold laps

Double straps treble riveted for 2

5" x 5" x $\frac{18}{20}$"

46" x $\frac{20}{20}$"

Double straps quadruple riveted

$\frac{16}{20}$" (84)

quadruple riveted laps

43" x $\frac{11}{20}$"

36" x $\frac{11}{20}$"

4" x 4" x $\frac{10}{20}$"

treble riveted laps

$\frac{16}{20}$"

$\frac{14}{20}$"

56" x $\frac{10}{20}$"

4" x 4" x $\frac{9}{20}$"

$\frac{15}{20}$"

Double angles 3½" x 3½" x $\frac{10}{20}$"

Web frames $\frac{10}{20}$"
Spaced as per long.l Elevation
Double frames 3½" x 3½" x $\frac{11}{20}$"

$\frac{14}{20}$"

36" x $\frac{11}{20}$"

4" x 4" x $\frac{9}{20}$"

7" x 3½" x 3½" x $\frac{11}{20}$"

$\frac{15}{20}$"

stringers at ends to surveyors satisfaction

$\frac{14}{20}$"

$\frac{11}{30}$" to $\frac{10}{20}$"

Double riveted

Tanktop $\frac{9}{20}$" $\frac{11}{20}$" in E & B space

4" x 4" x $\frac{9}{20}$"

floors $\frac{10}{20}$" spaced 30"
flanged

$\frac{9}{20}$" to $\frac{8}{20}$"

$\frac{10}{20}$" flanged

5'-1" x $\frac{12}{20}$"

$\frac{9}{20}$" to $\frac{8}{20}$"

$\frac{10}{20}$" flanged

4'-3½"

4½" x 4½" x $\frac{14}{20}$"

3½" x 3½" x $\frac{10}{20}$"

$\frac{10}{20}$" flanged

$\frac{9}{20}$"

$\frac{10}{20}$"

$\frac{14}{20}$"

4" x 4" x $\frac{10}{20}$"

$\frac{13}{20}$"

$\frac{14}{20}$"

$\frac{13}{20}$"

$\frac{14}{20}$"

51" x $\frac{20}{20}$" Double straps treble riveted

Keel & Stem 10" x 3"

LLOYD'S REGISTER OF SHIPPING BELFAST
23.5.92

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STEEL S.S 445' x 49' x 34'-0" KEEL TO BEAMS

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TO CLASS 100 A1 AT LLOYDS

THREE DECK RULE

POOP BRIDGE & FORECASTLE

SCALE $\frac{1}{2}$" = ONE FOOT

NUMERALS

24.6 + 34.2 + 53.6 − 7.0 = 105.2 FRAMING No

105.2 x 443 = 46603 PLATING No

112.2 x 443 + 2671 = 52376 EQUIPMENT No

9.04 Breadths 13.02 Depths to Upper Deck 16.87 Depths to Middle deck.

49
33.58
82.58 x 445 = 36700
445 / 33.58 = 13.25

.46

63 x .68

.375 x .70

Bridge side plating (9t) 85 would require long bridge
Upper strake $\frac{10}{20}$"
Strake below $\frac{8}{20}$" increased at ends and sheerstrake doubled at ends of Bridge

Steel Deck $\frac{9}{20}$"

Beams 8" x 3½" x 3½" x $\frac{12}{20}$" to $\frac{10}{20}$" channel steel spaced 30"

7" x 3½" x 3½" x $\frac{10}{20}$"

Frames 7" x 3½" x 3½" x $\frac{11}{20}$" with 7" flange $\frac{12}{20}$ channel steel as far for'd & aft as practicable. 7" x 3½" x $\frac{10}{20}$" at after end $\frac{9}{20}$" for ⅓ at fore end spaced 30"
Reverse frames 3½" x 3½" x $\frac{10}{20}$"
All channel frames to Bridge deck. Alternate reverse frames to Upper & Middle decks at ends. All reverse frames to Upper deck abaft after peak BHd Alternate reverse frames to Upper & fore castle decks for ⅓ at fore end
Bulkheads $\frac{8}{20}$" to $\frac{7}{20}$"
Cast Steel Sternpost 12" x 7 3/7" or equivalent
Cast Steel Rudder 10½" x 5'-1"

3" dia spaced 5'-0"

3" dia spaced 10'-0" apart

7'-11½"

Steel deck $\frac{8}{20}$"

Beams 8" x 3½" x 3½" x $\frac{12}{20}$" to $\frac{10}{20}$" channel steel spaced 30"

7" x 3½" x 3½" x $\frac{10}{20}$"

3½" dia spaced 5'-0"

3½" dia spaced 10'-0"

7'-6"

34'-8" 62

Steel deck $\frac{7}{20}$" for about ½ Length

Beams 8" x 3½" x 3½" x $\frac{12}{20}$" to $\frac{10}{20}$" channel steel spaced 30"

7" x 3½" x 3½" x $\frac{10}{20}$"

4½" dia spaced 10'-0" as far for'd & aft as practicable

4½" dia spaced 5'-0"

26'-8½" 62

14'-5½" 62

RIVETING

The whole of the shell to be lapped & treble riveted except where marked on section

Frame rivets spaced 5½ to 6 diameters centre to centre

Steel Deck $\frac{9}{20}$"

40" x $\frac{15}{20}$"

Double riveted

36" x $\frac{18}{20}$"

5" x 5" x $\frac{18}{20}$"

fourfold laps

Double straps treble riveted for'd

46" x $\frac{20}{20}$" (1.06)

Double straps quadruple riveted

$\frac{16}{20}$" (84)

quadruple riveted laps

43" x $\frac{11}{20}$"

36" x $\frac{11}{20}$"

4" x 4" x $\frac{10}{20}$"

treble riveted laps

$\frac{15}{20}$"

$\frac{14}{20}$"

56" x $\frac{10}{20}$"

4" x 4" x $\frac{9}{20}$"

Double angles 3½" x 3½" x $\frac{10}{20}$"

Web frames $\frac{10}{20}$"
Spaced as per long't Elevation
Double frames 3½" x 3½" x $\frac{11}{20}$"

36" x $\frac{11}{20}$"

4" x 4" x $\frac{9}{20}$"

7" x 3½" x 3½" x $\frac{11}{20}$"

Stringers at ends to surveyors satisfaction

$\frac{10}{20}$ flanged

$\frac{9}{20}$

4" x 4" x $\frac{10}{20}$"

$\frac{11}{20}$" to $\frac{10}{20}$"

Double riveted

Tanktop $\frac{9}{20}$" $\frac{11}{20}$" in E & B space

4" x 4½" x $\frac{9}{20}$"

floors $\frac{10}{20}$" spaced 30" flanged

$\frac{9}{20}$" to $\frac{8}{20}$"

$\frac{10}{20}$ flanged

51" x $\frac{12}{20}$"

$\frac{9}{20}$" to $\frac{8}{20}$"

$\frac{10}{20}$ flanged

4½" x 4½" x $\frac{14}{20}$"

3½" x 3½" x $\frac{10}{20}$"

$\frac{13}{20}$"

$\frac{14}{20}$"

51" x $\frac{20}{20}$" Double straps treble riveted

Keel & stem 10" x 3"

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