

TONNAGE under
Tonnage Deck

149.86

CLASS 100A - State if with freeboard
as condition of Class
For Coasting Service

NO
FEET

Built at Commonwealth
Shipbuilding Co.
RHODES ST.
July 1946

Note: Scantling worked to dimensions
as originally given

London

Date 6 Feb 1946

Builders, Owners & Yard No.:

Class and Type: Pro. 100 A.1. F.S. with tele + R.Q. Dk

Rule Dimensions: 120' x 24' x 9' to upper dk 12' 6" R.Q. Dk

Scantling Numbers: 1042 x 3820
1080 x 3960

Proportions: $\frac{L}{D} = \frac{12.86}{13.33}$ to upper deck; = $\frac{9.65}{10.0}$ to R.Q. deck.

1 = 7.42

Draft:

Copies kept?

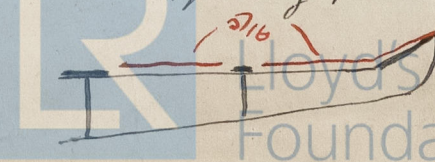
Equipment No.

Similar Ships: ✓

Cruiser stern? no

| ITEM. | RULE. | PROPOSAL. |
|---|--|---|
| No. & extent of W.T. bulkheads | 3 | 2 upper Dk 2 R.Q. Dk |
| Frame spacing: | 21" throughout | |
| Frames: Plating | 2 1/2 x 2 1/2 x .28 L @ 18" | 4 x 1/2" flats |
| Hold | 4 x 2 1/2 x .26 L @ 21" | Webb spaced 5 ft. spaces 18 x 1/2 flat 3 x 1/2 flat 2 x 3 x 1/2 stringer |
| Tele say 3 1/2 x 2 1/2 x .26 L | | 4 x 1/2 flat. |
| R.Q. Dk say 4 x 2 1/2 x .26 L (special rise of floor in struts) | | 4 x 1/2 flats |
| O.F. Bkn say 4 x 2 1/2 x .26 L plus side girders | | 4 x 1/2 flats + 2 cross ties |
| For determining "d" | 9.0 - 1.5 = 7.5 - .08 = 7.42 | |
| Height of tank side brackets: | 23" above base | 3 1/2" above base |
| Beam knees: | 15 x .32 | 15 x 7/16 |
| DOUBLE BOTTOM. | | |
| Breadth of inner bottom: | Floors 1 1/2 x .27 + 04 ES. +.02 for fl. ? | 18 x 1/4 fl 2 1/2 accept for increased depth + plating over |
| Centre girder: | | |
| Side girders: | | |
| Margin: | Cr. Keelson 3 1/2 x 3 x .28 12 x .32 = .96 11 1/2 - .32 = .28 cond. 3 1/2 x 3 1/2 x .30 | 12 x 3/8 18" - 3/8 cond. |
| Floors - thickness and spacing: | | |
| Inner bottom plating: | Side Keelson 3 1/2 x 3 x .28 .26 2x1. | 4 x 3/8 1/4" 2x1. |
| Margin connections: | | |

Note Vessel designed for single bottom - floors subsequently plated over



015338 - 015347 - 0227 1/2

Bracket Floors, breadth and thickness at middle line
" " breadth and thickness at

Forecastle Deck, Angle, □ or □

TONNAGE under Deck 149.86

CLASS 100A - State if with freeboard as condition of Class

NO FEET

Built at Commonweal Shipbuilding, RHODES July 19

| ITEM. | RULE. | | PROPOSAL. | |
|--------------------|--------------------|--------------|----------------------------|--------------------------------|
| Pillars & Girders: | | | Lanthorn Btbs. w/ 5" frame | |
| Plating: | | | | |
| Upper Deck | | | | |
| Thrs. | 5 x 3 1/2 x .26 L | K = 15 x .32 | 5 x 3/8 flats | K = 15 x 5/16 fl 1 1/2 |
| 1/2 B | 3 x 3 1/2 x .29 L | | 3 x 1/4 | K = do. |
| Side | Less than upper dk | | 5 x 3/8 flats | K = do. |
| R.D. Btbs | as for upper dk | | 5 x 3/8 | K = do. |
| Stringers: | | | | |
| | 36 x .40 - .36 | | 48 x 7/16 - 3/8 | 6 x 3 x 3 welded channel steel |
| Plating: | 30 - .26 | | 3/8 - 5/16 | |
| Plating: | 30 - .36 | | Bridge 7/16 - 1/2 | |
| Plating: | | | 7/16 - 5/16 fore 1/4 aft | |
| Plating: | | | | |
| Upper Deck | 10 x .369 | 27.3 x .369 | 5/16 | 5/16 33 x 3/8 - 7/16 fore |
| | 16.20 + bar | 42 x .393 | | 48 x 3/4 - 7/16 |
| | | 31.60 | | 29.30 |
| | | 42 x .36 | | 52 1/2 x 7/16 - 7/16 |
| R.D. Deck | 10 x .32 | 19 x .32 | 1/2 | 1/2 (7/16 Break) 33 x 3/8 |
| | | 3 x 3 x .32 | | 36 x 7/16 - 1/2 |
| | | 42 x .36 | | 29.20 |
| | | 42 x .36 | | 48 x 3/8 - 5/16 |
| Side Deck | 6 x .24 | 13 x .31 | 7/16 | 30 x 3/8 - 2 1/2 x 7/16 |
| | | 3 x 3 x .24 | | 1/4 |
| | | .24 | | |

Riveting: Vessel completely welded.

Submission of Plans: Superstructures

These plans should, where applicable, include Arrangement to prevent Panting

Pillars and Girders

Construction of Bottom Forward

Initials and Date J. Matt 6/2/46

Reference to Work Book

| | | | | | | | |
|-----------------|---------------------------------------|--|--|--|--|--------------------------------|--|
| Bracket Floors, | breadth and thickness at middle line | | | | | Forecastle Deck, Angle, □ or □ | |
| " | breadth and thickness at margin plate | | | | | Spacing | |