



16.3.14
16.4.14

MIDSHIP SECTION

DIMENSIONS. 27' 9 1/2"

LENGTH B.P. 180'-0" BREADTH MLD 28'-0" DEPTH MLD 13'-6"

TO CLASS 100.A1.AT LLOYDS. RAISED Q² D²

SCALE 1/2" = 1 FOOT.

LLOYDS NUMERALS

B --- 20-5 27.79
D --- 13.5
B.D --- 41.5 TRANS N² + 3.50 = 44.79
L --- 180
L(B.D) --- 7470 LONGITUDINAL N²
7432.2
a --- 16.25 MAIN DECK
a --- 14.5 QUARTER DECK. main
18.75
DEPTH TO LENGTH = 13.33 MAIN D²
--- = 10.59 QUARTER D²

--- E & B CASING ---
CASING COAMING 30" x 18" ABOVE D²
--- SIDES 25' ---

HATCH SIDES 50' 5 1/2"
--- ENDS 40
HATCH SIDE BARS 32' x 32' x 50' 5 1/2"
--- END BARS 32' x 32' x 40

BRIDGE DECK
STRINGER PLATES 31' x 25' DOUBLE RIV BUTTS
STRINGER ANGLES 3' x 3' x 25' x 30
D² PLATE 22' BUTTS SINGLE RIV OVERLAPS
SIDE PLATING 22' DOUBLE RIV BUTTS. (See Section)
BEAM KNEES 31' x 30' x 18' x 30
BEAMS SEE PROFILE.

FORECASTLE DECK
STRINGER PLATE 15' x 25' DOUBLE RIV BUTTS
DECK PLATING 25' BUTTS SINGLE RIV OVERLAPS
STRINGER ANGLES 3' x 3' x 25' x 30
SIDE PLATING 26' DOUBLE RIV BUTTS
BEAM KNEES 12' x 30
BEAMS SEE PROFILE.

DECK PLATING OF IRON SE PROFILE BUTTS DOUBLE 21' TO SINGLE
STRINGER PLATE 15' x 25' OF IRON BUTTS DOUBLE
18' x 25' x 34 ENDS
BEAMS UNDER 28'-0" (SEE PROFILE) EVERY FRAME 1 7/8" CROP
HATCH SIDES 46' 4 1/2"
--- ENDS 40
--- SIDE BARS 32' x 32' x 40
--- END BARS 32' x 32' x 40

FRAMES 52' x 3' x 35' B.A. SPACED 22' APART. IN WAY OF MAIN DECK
FRAMES IN PEAKS 3' x 3' x 26' REV 22' x 22' x 26'
Frame 52' x 3' x 35' B.A. 1/2" in way of double
bottom. 1/2" x 1/2" x 1/2" x 1/2"
DECK PLATING IRON BUTTS DOUBLE (SEE PROFILE)
FRAMES IN PEAK 4' x 3' x 34
STRINGER PLATES 14' x 48' OF IRON BUTTS TREBLE
14' x 48' x 34 ENDS

2 1/4" DOUBLE BOTTOM TOP PLATES STEEL IRON THICKNESS
CENTRE GIRDER 30' x 36' TO 30' x 32' (IRON) BUTT DOUBLE RIV.
SIDE GIRDER 28' x 30' x 30' BUTTS DOUBLE RIV THRU
MARGIN PLATE 20' x 30' BUTTS DOUBLE RIV THRU
MIDDLE LINE STRAKE 30' x 30' x 30' BUTTS DOUBLE RIV THRU
TANK TOP PLATING 20' x 30' (IRON) BUTTS DOUBLE RIV SINGLE AT END.
FORGING
PROPELLOR POST 6 1/2' x 4 1/2' RUDDER POST 5 1/4' x 4 1/2'
STEM 6 1/2' x 3 1/4' RUDDER HEAD TO RULE 5 1/4'

SECTION IN WAY OF MAIN D²

PROPELLER BOSS PLATE 38' x 38' x 38'
FLAT PLATE KEEL 38' x 38' x 38'
BUTTS STRAPPED & TREBLE RIV
BUTTS DOUBLE RIV OVERLAPS

SECTION IN WAY OF E & B SPACE

FLOORS IN B.S. 15' x 42'
FLOOR IN E.R. 15' x 36'

CENTRE KEELSON 30' x 32'
FOUNDATION PLATE 24' x 36'
BUTTS ON CENTRE KEELSON

W. HARKNESS & SON LTD
SHIPBUILDERS & REPAIRERS
EAST SLIPWAY
MIDDLESBRO-ON-TEES

EQUIPMENT

LENGTH OF Q² D² 119.66 x 3.50 = 418.81 417.2
--- B² D² 11.00 x 7.00 x 3/4 = 57.66 57.66
--- FLEED² 22.84 x 7.00 x 3/4 = 110.91 116.13
--- CASING 52.50 7.00 x 2 = 183.75 183.75
780.13
LONG² N² 7470.00 7432.20
EQUIPMENT N² LETTER U 8250.13 8206.94

3 BOWER ANCHORS STOCKLESS COLLECTIVE WEIGHT 48 CWT.
1 STREAM ANCHOR EX STOCKS 434 CWT
1 KEDGE --- 27 ---
210 FATHOMS OF 1 1/16" STUD CHAIN CABLE
60 --- 3" STEEL WIRE STREAM
75 --- 2 3/4 --- TOWLINE
90 --- 2 1/2 --- HAWSER } WITH OWNERS
90 --- 1 1/2 --- WARP } CONSENT

SIDE PLATING 26' x 32'
BUTTS DOUBLE RIV No butts.

SIDE PLATING 26' x 32'
BUTTS DOUBLE RIV

SIDE PLATING 26' x 32'

SHEER STRAKE 38' x 56' PARALLEL TO 34' AT END
INCREASED 20' IN WAY OF BREAK FOR 34' x 56'
IN LIEU OF DOUBLING = 76 TO 34' (SEE PROFILE)
BUTT QUADRE TREBLE TO DOUBLE

DOUBLE 26' x 32'

44' FOR 21' TO 34' AT END
BUTTS TREBLE RIV 31'
TO DOUBLE AT ENDS

SIDE 22'

38' to 34'
BUTTS DOUBLE RIV OVERLAPS

DOUBLE 26' x 32'

38' to 34'
BUTTS DOUBLE RIV OVERLAPS

DOUBLE 26' x 32'

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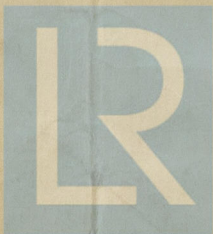
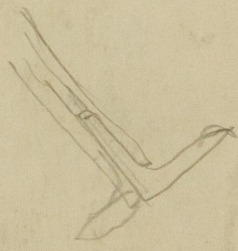
DOUBLE 26' x 32'

DOUBLE 26' x 32'

N² 208.

9/3/14
155

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2020



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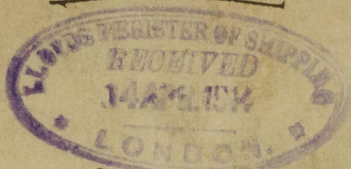
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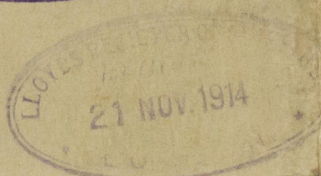
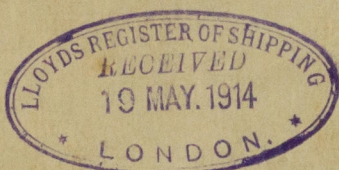
Midship Section



Metlhill
ex.
S. S. ARKSIDE - *Metlhill*



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