

LAKE STEAMER. ARCH PRINCIPLE OF CONSTRUCTION

PATENT

250'-0" x 42'-6" EXT x 16'-0" + 4'-0" ARCH.

To CLASS B.S. * FOR SERVICE ON THE GREAT LAKES AND THE ST LAWRENCE RIVER.

DRAUGHT 14-1

DETAIL PLANS TO BE SUBMITTED

STEEL D¹⁰ 40 x 40 x 40 BETWEEN HATCHWAYS, 40 AT ENDS.
BUTTS OVERLAPPED & SINGLE RIV. SEAMS SINGLE RIVETED.

STRINGER PLATE 50 x 40 IN WAY OF HATCHWAYS TO 40 CLEAR OF HATCHWAYS
AT ENDS RIVETED OVERLAP BUTTS AS PER RULES

ARCH DECK

9" CAMBER

THROUGH BEAMS BETWEEN HATCHWAYS

5 x 3 x 40 ANGLES ON EVERY FRAME + E + B BEAMS

HATCH END BEAMS 5 x 3 x 40 B.A.S.

5 x 3 x 40 ANG. WHERE OVER 75% LEN. CLEAR OF HATCHWAYS

5 x 3 x 40 ANGLES WHERE UNDER 75% DITTO

Approved to by Builders (See letter from B.C. Parsons 2/18/12)

FORWARD OF 106 AND AFT OF 30 FRAMES.

DOUBLE BARS 5 x 4 x 40

3 x 3 x 40 SINGLE AT WEBS

ARCH TOP STRAKE 24 15 40 TO 40 AT ENDS BUTTS OVERLAPPED & QUADRUPLE RIV FOR 1/2 LEN. TO TREBLE & DOUBLE AT ENDS.

SECOND STRAKE 19 14 40 TO 40 AT ENDS BUTTS TREBLE RIV TO DOUBLE

FRAMING

FRAMES SPACED 24' APART TO 21' AND 18' FORWARD

AS PER PROFILE

FRAMES 5 x 3 x 40 B.A.S. IN HOLDS. 1/2 3 x 40 B.A. IN ENG. ROOM

PEAK FRAMES 5 x 3 x 40 ANGLES

FRAMES ON WEBS 3 x 3 x 40

WEB FRAMES AS PROFILE

B MLO 42-33

D " 16 + 4 = 20 TOTAL FRAMING TO MLO DEPTH

L = 12-40

B = 5-04

BULKHEAD PLATING 12 40 LOWER

10 40 UPPER

STIFFENERS 4 x 3 x 40 B.A. WITH

KNEES TO TANK TOP

NO HORIZONTAL STIFFENING.

STEM BAR 4 x 2

PROPELLER FRAME 4 x 5 3/8. SEE PLAN

RUDER HEAD AS PER FORMULA

CENTRE GIRDER 30 x 40 RULE =

40 x 40 DOUBLE RIV

OVERLAP BUTTS.

SINGLE TOP BAR 3 x 3 x 40

BTM 4 1/2 x 4 1/2 x 40

CENTRE STRAKE OF TANK TOP

RULE 34 x 40 1/2 IN B SPACE

INCREASED TO 40 1/2 IN HOLDS

NO CEILING

FLUSH BUTTS DOUBLE RIV. FLUSH SEAMS SINGLE RIV

SOLID FLOORS ON ALT FRAMES 12 40 FLANGED

AT TOP OR 3 x 3 x 40 REVERSE FRAME

BRACKET FLOORS ON INTERMEDIATE FRAMES

12 40 B SPACE

INTERCOSTAL GIRDERS 12 40 FLANGED 12 40 E + B

12 40 SOLID FLOORS UNDER ENGINES. SINGLE REVERSE

BARS UNDER ENGS. & THRUST SEATING 4 1/2 x 4 1/2 x 40, ALSO

UNDER BOILER BEARERS. BOILER BEARER FLOORS 12 40

STRINGERS FORWARD AND

AFT AS ELEVATION.

MARGIN PLATE 15 19 40 TO 40 IN B.S.

DOUBLE RIV. FLUSH BUTTS.

TANK TOP PLATING IN HOLDS. RULE 13-12 40

INCREASED TO 20 1/2 IN B SPACE

TANK TOP IN E. SPACE 40 IN B SPACE 40

FLUSH BUTTS SINGLE RIV IN HOLDS. IN ENG. SPACE AS RULES

FLUSH SEAMS SINGLE RIV

10 40 FLANGE PLT TAPPED ON TAPS 12' APART

20 40 GUSSET AT WEB FRAME

12 40 BUTTS

6 x 3 x 40 6 x 3 x 40 DOUBLE IN WAY OF WEBS

14 1/2 RIVETS

DOUBLE AT WEBS

15 E + B

12 40 FLOOR

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KEEL PLATE 43 x 40 TO

19 40 FW. 3 R. BUTTS

FOR 1/2 LEN. TREBLE ENDS.

STRAKES OF PLATING ON FLAT OF BOTTOM TO MAINTAIN 1/2 THICKNESS TO

COLLISION BULKHEAD.

PLATES WHICH ARE FLANGED NOT INCREASED IN THICKNESS. SPECIFY B.C.

F

EQUIPMENT

2 BOWERS STOCKLESS 34 CWTs EACH

1 STREAM EX STOCK 11 1/2 "

1 KEDGE " 4 1/2 "

210 FATHOMS 1 1/2 STUD CHAIN CABLE

1/2 3 1/2 STEEL STREAM

105 3 1/2 " TOWLINE

2 @ 90 2 1/2 HAWSERS

2 @ 90 2 " "

3 x 2 1/2 x 40 LUG ON FRAMES TO TAKE F + A. PLT. ON EACH SIDE OF FRAME

CONTINUOUS PLT. ATTACHED TO FR. KNEES 40

40 PORTABLE PLATE FITTED

CONTINUOUS PLATE 12 40. INCREASED AT WEBS TO 20 40

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INTERM. REVERSE 5 x 3 x 40 12 40

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The North of Ireland S.B. Co.

No 55

Midship Section

250' x 42' 6" x 16' 0"

T.C. 27-11-12 B.C.

S.S. Glenmaris

$\frac{3}{8}$ Glenfoyle

Also 561

Latest Plan

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Lloyd's Register
Foundation

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