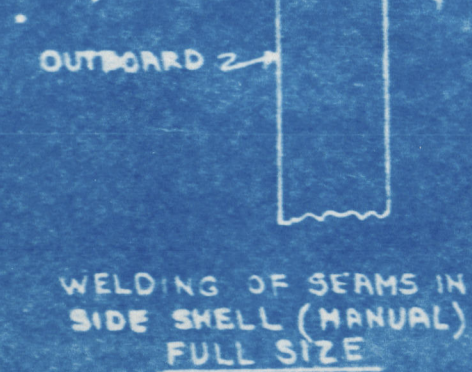
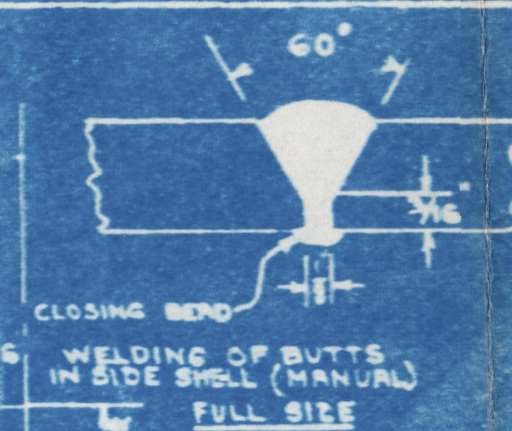


GROSS AREA 23 1/2' x 33 1/2' = 6-63 3/4 FT  
NET AREA 27 1/2' x 32' = 6-121 5/8 FT

# WELDING NOTES

INNER BOTTOM BUTTS V WELDS.  
MARGIN PLATE TO SHELL SEE DETAIL

CENTER GIRDER 5/8" CONTINUOUS TOP AND BOTTOM  
SIDE GIRDER 5/8" CONTINUOUS TOP AND BOTTOM  
SIDE GIRDER 5/8" CONTINUOUS TOP AND BOTTOM  
IN ENGINE ROOM.  
FLOORS 5/8" CONTINUOUS BOTH SIDES



WELDING OF BUTTS  
IN SIDE SHELL (MANUAL)  
FULL SIZE

WELDING OF BEAMS IN  
SIDE SHELL (MANUAL)  
FULL SIZE

2nd deck beams inboard of longitudinal  
girders 7x4x3/8 inverted angle except  
in No. 1 Hold where the beams are  
entirely 8x4x1/2 inverted angles from  
frames 39 to 18 inclusive.

M.L. Bulk  
support.

STERN FRAME AS PER DETAIL PLAN  
STEM BAR 10"x2 1/2" TO L.W.L.  
PLATE STEM ABOVE L.W.L.  
RUDDER AS PER DETAIL PLAN  
FOR STEEL C.I. BULKHEADS SEE  
STRUCTURAL INBOARD PROFILE

## EQUIPMENT a†

- 2 STOCKLESS BOWER ANCHORS EACH 7616 LBS
- 1 STOCKLESS STEAM ANCHOR 2660 LBS
- 225 FATHOMS STUD CHAIN CABLE 2 5/16" DIA
- 90 FATHOMS OF 5/8" SWR
- 120 FATHOMS TOWLINE 5/8" SWR
- 2 HAWSERS EACH 90 FATHOMS 2 3/8" SWR
- 2 WARPS EACH 90 FATHOMS 2 1/2" SWR

## SECTION OF TYPICAL HATCH SIDE GIRDER

3 Rows Rivets

TANK TOP PLATING CEILED FOR 2'-0"  
OUTSIDE THE HATCH LINE IN NO. 2, 3 AND 4  
HOLDS - ALL CEILED IN NO. 1 AND 5 HOLDS.  
TANK MARGIN BRACKETS CEILED IN  
ALL HOLDS

## DETAIL OF MARGIN PLATE

- V WELD TO SHELL -

MARGIN PLT. 68"x54" HOLDS AND ENG. RM. - .60" IN BOILER SP.  
TANK TOP PLATING - .44" TO .40" IN HOLDS - .52" IN ENG. RM. - .56" IN BOILER SP.

FLOORS - .38" IN HOLDS AND ENG. RM.  
.48" IN BOILER SPACE  
INCREASED AT TANK ENDS TO RULE

GUSSET PLATE 15" IN #1 HOLD 12" ELSEWHERE .44"  
.50" BOILER SPACE

10" BULB PLATE, BILGE KEEL  
CUT FROM 10"x3" x 27 1/2" O.A.

SOLID FLOORS ON EVERY FRAME IN ENGINE ROOM - UNDER BOILER STOODS  
UNDER BULKHEADS AND FORWARD OF 7/8" L - PARTIAL SOLID FLOORS TO  
LONGITUDINAL IN WAY OF THRUST. SOLID FLOORS ON EVERY 4TH FRAME  
ELSEWHERE (=10'-0" MAXIMUM SPACING)

## PRINCIPAL DIMENSIONS.

LENGTH B.F.	56'-0"
BREADTH MOULDED	37'-4"
DEPTH MOULDED TO UPPER DECK	28'-0"
DEPTH MOULDED TO 2ND DECK	11'-14"

## CLASS

LLOYDS REGISTER OF SHIPPING + 100-A1  
"WITH FREEBOARD"  
SCANTLING SUITABLE FOR A MOULDED DRAUGHT  
OF 26'-10", WHICH IS 18 INCHES IN EXCESS OF  
THAT FOR A C.S.S. VESSEL

NO.	DATE	DESCRIPTION	BY	CONTRACTOR	APPROVAL
A	11-26-11	WELDING NOTES INNER BOTTOM BUTTS V WELDS - MARGIN PLATE TO SHELL SEE DETAIL SKETCH	H.B.	W.H. COX	
B	11-26-11	MAIN FRAMES ADDED FOR HOLD #4 TO AGREE WITH DR. 11261-511-31-2 INNER BOTTOM BRACKET TO SHELL ENLARGED 6" x 4" STREETS RELOCATED. DETAIL OF MARGIN PLATE WELD ADDED. WELDING NOTE CORRECTED.	H.B.	W.H. COX	
I	11-26-11	IN CLASS NOTE, WORKING STRENGTH BOW CHAINS TO ADVANCED DRAUGHT IN LLOYDS WITH LLOYDS CENTER OF SHIPPING LETTER OF 11-27-11	H.B.	W.H. COX	
II	11-26-11	HATCH COARINGS & HATCH SIDE GIRDERS ON BOTH DECK CHANGED - SECT OF 2ND DECK HATCH SIDE GIRDER - CORRECTED TO STRUCTURAL PLANS LOCATION OF PART OF BOLT TO BE CEILMENT NOTED. CORRECTED TO 22 1/2" FATHOMS - STEAM CHAINS 2 TOWLINE CHAINS TO 150' - HAWSERS CHAINS TO 150' - WARPS 7' - HEMP DELETED - ALL OF THE ABOVE TO AGREE WITH ALL DRAUGHTS LIST	H.B.	W.H. COX	
III	11-26-11	SHELL KEEL REVISED TO SUIT SHELL EXPANSION PLAN CORRECTED TO DATE 11-26-11	H.B.	W.H. COX	

TODD-BATH IRON SHIPBUILDING CORPORATION  
TODD-CALIFORNIA SHIPBUILDING CORPORATION

DESIGN AND ENGINEERING BY  
GIBBS & COX, INC.  
NEW YORK

S.S. "OCEAN MESSENGER"  
MIDSHIP SECTION  
As Built

SCALE 1/2", 1 1/4", 1 1/2" = 1 FOOT  
DATE NOVEMBER 25, 1910  
DRAWN BY D.M.H. L.H.W.  
TRACED BY J.L.H.W.  
CHECKED BY G.B.W.  
APPROVED G.B.W.  
APPROVED G.B.W.  
DR. 11261-511-11-2 VAULT # 5192

Lloyd's Register  
of Shipping  
INCORPORATED IN ENGLAND