

ALTERATION.		
DATE	DESCRIPTION	APPROVED
8-15-15	CON. TO DATE	R. H. H.
9-2-15	SIZE & SPACING OF DRAIN & AIR HOLES CHANGED	R. H. H.
12-4-15	ORDER FOR HULLS 440 & 441 APP'D	R. H. H.

DIMENSIONS.	
LENGTH BET. P.R. (ON 25' G.W.L.)	430'-0"
LENGTH, LLOYDS	430'-0"
LENGTH OVER ALL, ABOUT	446'-0"
BEAM, MOULDED	58'-0"
DEPTH, MOULDED TO UPPER DECK	33'-4"
DEPTH, MOULDED TO 2ND DECK	25'-4"
DEPTH, MOULDED TO BRIDGE DECK (SHORT)	41'-4"
SPACING OF TRANSVERSES	9'-0" AND 9'-6"

CLASS: LLOYDS +100-A-1, SPECIAL SURVEY (ISHERWOOD CONSTRUCTION.)	
TRANSVERSE NUMBER:	
BEAM MOULDED	58.00"
DEPTH MOULDED	33.33"
LENGTH NUMBER:	91.33
EQUIPMENT NUMBER:	
HOUSE ON BRIDGE DECK	29,047.56
BRIDGE ENCLOSURE	36,047.80
FORECASTLE	48,847.80
POOP	104,258.00
HOUSE ON POOP	70,257.78
PLATING NUMBER	39,319
EQUIPMENT NUMBER	40,825

EQUIPMENT.	
2 STOCKLESS BOWER ANCHORS	EACH 8100 LBS.
1 STOCKLESS BOWER ANCHOR	7000 LBS.
1 STOCKLESS STREAM ANCHOR	2870 LBS.
1 STOCKLESS KEDGE ANCHOR	1260 LBS.
300 FATHOMS 2 1/2" STUD LINK CHAIN CABLE	
120 FATHOMS 5/8" STEEL WIRE HAWSER	
130 FATHOMS 5/8" STEEL WIRE HAWSER	
400 FATHOMS 8" MANILLA HAWSER	

SCANTLING
STEM: UPPER PART W.S. 10 1/2" x 2 1/2"; LOWER PART CAST STEEL.
STERNPOST: CAST STEEL; PROPELLER P. 10 1/2" x 1 1/2" RUDDER P. 9" x 3 1/2".
RUDDER: SINGLE PL. UPPER STOCK ALMS OF C.S., LOWER STOCK W.S. STOCK 1 1/2" DIA.
PLATE 1/2" THICK; DIAM. OF PINTLES 5 1/2"; RUDDER AREA 175 SQ. F.
G.G. OF RUDDER FROM 1/4 OF PINTLE 4" H. DESIGNED SEA SPEED 11 KNOTS.

- GENERAL NOTES.
- NOTCHES IN TRANSVERSES, WEBS AND BEAMS TO BE WELL ROUNDED AT CORNERS AND NOT TO BE ROUGHLY PUNCHED.
 - THE LOWER STRAKES OF TRANSV. & LONG. BH'S, EXCLUDING FLOOR PL. AND CENTRE KEELSON TO BE INCREASED IN THICKNESS WHEN DEPTH OF BH'S IS INCREASED DUE TO SHEER.
 - WHERE ADDITIONAL STIFFERS ON TRANSV. AND LONG. BH'S ARE REQUIRED DUE TO SHEER, THEY WILL BE PLACED AT THE BOTTOM AND MADE 1" DEEPER OR 3/4" THICKER FOR EQUIVALENT THAN LOWEST STIFFER SHOWN.
 - DRAIN & AIR HOLES, 1" DIA., SPACED ABT. 18" TO BE PUNCHED IN ALL SHELL BH'S & DECK LONG. WITHIN OIL COMP. THE HOLES TO BE KEPT AS CLOSE TO THE SHELL OR DECK FLANGES AS POSSIBLE.
 - BULKHEAD BRACKET CLIPS ARE TO EXTEND SUFFICIENT BEYOND BRKT. TO TAKE FOUR EXTRA RIVETS.

RIVETING
FLAT KEEL BUTTS: DOUBLE STRAPPED TREBLE RIVETED, 1 1/2" AND 1" RIV'S.
BOTTOM & BILGE: QUAD. RIVETED BUTTLAPS 1" AND 1 1/2" RIV'S TO TREBLE RIVETED, 1 1/2" RIV'S.
SIDE PLATING: TREBLE RIVETED BUTTLAPS 1 1/2" AND 1" RIV'S.
STRAKE BELOW
SHEER: QUAD. RIVETED BUTTLAPS 1" AND 1 1/2" RIV'S TO TREBLE RIVETED, 1 1/2" RIV'S.
SHEER STRAKE: QUAD. RIVETED BUTTLAPS 1 1/2" AND 1" RIV'S TO TREBLE RIVETED BUTTLAPS 1 1/2" RIV'S.
SHELL PL. EDGE: SEE CROSS SECTION
UPPER DK. STRINGER: QUAD. RIVETED BUTTLAPS 1 1/2" RIV'S TO TREBLE RIVETED, 1 1/2" RIV'S.
2ND DK. STRINGER: TREBLE RIVETED BUTTLAPS 1 1/2" RIV'S TO DOUBLE RIVETED, 1 1/2" RIV'S.
UPPER & 2ND DK.
PLATING: DOUBLE RIVETED BUTTLAPS 1 1/2" RIV'S TO SINGLE RIVETED BUTTLAPS 1 1/2" RIV'S.
CENTRE VERT. KEEL: TREBLE RIVETED BUTTLAPS 1 1/2" RIV'S.
DECK LONGIT'L'S: 1 1/2" RIVETS SPACED 6 DIA'S. 4 TO 4.
LONGIT'L'S TO 1.
BH'S & SHELL: 1 1/2" RIVETS THROUGHOUT, SPACED AS FOLLOWS: IN BRIDGE, POOP & FORECASTLE: 6 DIA'S. LONGIT'L'S 1, 2, 3, 3 AND 4: 6 DIA'S. LONGIT'L'S 5, 6 AND 7: 1 1/2" DIA'S. FOR 10 RIV'S EACH SIDE OF TRANSV. AND BH'S, ELSEWHERE 6 DIA'S. LONGIT'L'S 8, 9 AND 10: 1 1/2" DIA'S. FOR 9 RIV'S EACH SIDE OF TRANSV. AND BH'S, ELSEWHERE 6 DIA'S. LONGIT'L'S 11 TO 22 INCLUSIVE: 1 1/2" DIA'S. FOR 11 RIVETS EACH SIDE OF TRANSV. AND BH'S, ELSEWHERE 6 DIA'S. ON PLAT. OF BOTTOM IN WAY OF FORWARD WATER BALLAST TANK AND FORWARD FUEL OIL TANKS 1 1/2" DIA'S.

HULL 441	AS DRAWN	AS SCHED	12/8/15	R
HULL 440	AS DRAWN	AS SCHED	12/8/15	R
HULL 428	AS DRAWN	AS SCHED	12/8/15	R
JOB	REMARKS	CHARGE	DATE	

ORDERS	
DATE	NO.
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PRINTS
3/1/16 Letter to Rev. E. J. for plans and 1/16
3/1/16 Letter to Rev. E. J. for plans and 1/16
10/2/16 1st app'd by Rev. E. J. 1/16
10/2/16: Revised & 1/16
11/1/16 2nd app'd by Rev. E. J. 1/16
11/1/16: 3rd app'd by Rev. E. J. 1/16
11/1/16: 4th app'd by Rev. E. J. 1/16
11/1/16: 5th app'd by Rev. E. J. 1/16
11/1/16: 6th app'd by Rev. E. J. 1/16
11/1/16: 7th app'd by Rev. E. J. 1/16
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11/1/16: 97th app'd by Rev. E. J. 1/16
11/1/16: 98th app'd by Rev. E. J. 1/16
11/1/16: 99th app'd by Rev. E. J. 1/16
11/1/16: 100th app'd by Rev. E. J. 1/16

ACTION
THE WM. CRAMP & SONS S. & E. B. CO.
DRAUGHTING OFFICE CONSTR. DEPT.
HULLS NO. 440 & 441
HULL NO. 428
S.S. STEAMER FOR THE PETROLEUM TRANSP. CO.
GENERAL CROSS SECTION
SHEET NRI.

SCALE: 1"=10' FEET	DATE: JULY 6-1916
TAK. FROM: HULL NO. 440	NO. 1
TRAIL: HULL NO. 441	NO. 2
TRAIL: HULL NO. 428	NO. 3
TRAIL: HULL NO. 440	NO. 4
TRAIL: HULL NO. 441	NO. 5
TRAIL: HULL NO. 428	NO. 6
TRAIL: HULL NO. 440	NO. 7
TRAIL: HULL NO. 441	NO. 8
TRAIL: HULL NO. 428	NO. 9
TRAIL: HULL NO. 440	NO. 10
TRAIL: HULL NO. 441	NO. 11
TRAIL: HULL NO. 428	NO. 12
TRAIL: HULL NO. 440	NO. 13
TRAIL: HULL NO. 441	NO. 14
TRAIL: HULL NO. 428	NO. 15
TRAIL: HULL NO. 440	NO. 16
TRAIL: HULL NO. 441	NO. 17
TRAIL: HULL NO. 428	NO. 18
TRAIL: HULL NO. 440	NO. 19
TRAIL: HULL NO. 441	NO. 20
TRAIL: HULL NO. 428	NO. 21
TRAIL: HULL NO. 440	NO. 22
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TRAIL: HULL NO. 441	NO. 29
TRAIL: HULL NO. 428	NO. 30
TRAIL: HULL NO. 440	NO. 31
TRAIL: HULL NO. 441	NO. 32
TRAIL: HULL NO. 428	NO. 33
TRAIL: HULL NO. 440	NO. 34
TRAIL: HULL NO. 441	NO. 35
TRAIL: HULL NO. 428	NO. 36
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TRAIL: HULL NO. 428	NO. 39
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TRAIL: HULL NO. 441	NO. 41
TRAIL: HULL NO. 428	NO. 42
TRAIL: HULL NO. 440	NO. 43
TRAIL: HULL NO. 441	NO. 44
TRAIL: HULL NO. 428	NO. 45
TRAIL: HULL NO. 440	NO. 46
TRAIL: HULL NO. 441	NO. 47
TRAIL: HULL NO. 428	NO. 48
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TRAIL: HULL NO. 441	NO. 59
TRAIL: HULL NO. 428	NO. 60
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TRAIL: HULL NO. 441	NO. 62
TRAIL: HULL NO. 428	NO. 63
TRAIL: HULL NO. 440	NO. 64
TRAIL: HULL NO. 441	NO. 65
TRAIL: HULL NO. 428	NO. 66
TRAIL: HULL NO. 440	NO. 67
TRAIL: HULL NO. 441	NO. 68
TRAIL: HULL NO. 428	NO. 69
TRAIL: HULL NO. 440	NO. 70
TRAIL: HULL NO. 441	NO. 71
TRAIL: HULL NO. 428	NO. 72
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TRAIL: HULL NO. 440	NO. 97
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TRAIL: HULL NO. 428	NO. 99
TRAIL: HULL NO. 440	NO. 100

DR. No. H-59004 7-31-1916

3/1/16 2nd app'd by Rev. E. J. 1/16
4/1/16 3rd app'd by Rev. E. J. 1/16



WM. CRAMP & SONS, SHIP & ENGINE BUILDING CO.

Midship sections.

Hull 428.

R. P. Smith

S.S. "J. M. Danziger"

PHA. Rpt. No. 2429.

1/4 "Enricketta"



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Lloyd's Register
Foundation

008322-008332-0068