

M. S. "STAFFORDSHIRE."

MIDSHIP SECTION.

SCALE - $\frac{1}{2}'' = 1 \text{ FOOT.}$

AS FITTED.

MOULDED DIMENSIONS :- 482'-0" B.P. x 62'-0" M^{LD} BTH x 36'-6" M^{LD} DEPTH TO UPPER DECK.

TO CLASS ± 100 A.I. LLOYDS; FULL SCANTLING TYPE.

(96% OF OVERALL LENGTH = 501'-64" x $\frac{36}{100}$ = 481'-5)

FIRST LONGITUDINAL NUMERAL $L \times D = 482 \times 36.5 = 17593$.

SECOND LONGITUDINAL NUMERAL $L \times (B+D) = 482 \times 98.5 = 47477$

PROPORTIONS L/D TO UPPER DECK $482/36.5 = 13.2$

PROPORTIONS L/D TO BRIDGE DECK $482/45 = 10.71$

PERCENTAGE LENGTH COVERED BY ERECTIONS = $\frac{51.25 + 265 + 78}{482} = 81.8\%$

IN FORWARD & AFTER HOLDS = 14'-6"

(FRAME BKTS IN AFTER HOLD INCREASED IN HEIGHT AS COMPENSATION FOR

DIFFERENCE IN LOWER 'TWEEN DECK HEIGHT)

SHEER AFT = 3'-6"

SHEER FORWARD = 8'-0"

POOP 51'-3" LONG; BRIDGE 265'-0" LONG; FORECASTLE 78'-0" LONG.

NO TONNAGE OPENINGS IN SIDES.

EQUIPMENT :-

SECOND LONGITUDINAL NUMBER	47477
POOP 51.25 x 7.75 x .75	237.9
BRIDGE 265 x 8.5 x .75	1689.4
FORECASTLE 78 x 7.75 x .75	453.4
POOP & BRIDGE DECK HOUSES 243.75 x 7.75 x .5	344.5
BOAT DECK HOUSES 171.25 x 9.5 x .5	813.4
BOAT DECK HOUSES 58.75 x 7.75 x .5	227.7
HOUSES ON HOUSE TOPS 141.25 x 7.75 x .5	547.3
HOUSES ON HOUSE TOPS 23.75 x 8.5 x .5	100.9
	52551.5 = EQUIPMENT NUMERAL.

EQUIPMENT :-

3 BOW ANCHORS EACH	86 + 4 QWTS STOCKLESS.
1 STREAM ANCHOR	26 1/2 QWTS EX. STOCK.
300 FATHOMS	2 1/2" STUD CHAIN CABLE (15 FMS AT ANCHOR END OF EACH CABLE ARE 2 1/2")
120 "	5 1/2" STEEL WIRE (STREAM LINE)
130 "	6 " " (TOWLINE)
2 @ 100 FATHOMS	8' HEMP (HAWSEERS)
2 @ 100 FATHOMS	8' " (WARRPS)

ADDITIONAL TO CLASSIFICATION SOCIETY'S REQUIREMENTS.

2 @ 120 FATHOMS	5' STEEL WIRE (HAWSEERS)
2 @ 120 "	4 1/2" F.S.W. (HAWSEERS)
2 @ 120 "	5 1/2" F.S.W. (WARRING LINES)
2 @ 120 "	3" F.S.W. (WARRING LINES)
2 @ 90 "	7 1/2" MANILLA (WARRING LINES)
2 @ 120 "	7 1/2" MANILLA (WARRING LINES)
2 TOWING SPRINGS EACH 15 FATHOMS	10' MANILLA FITTED WITH RINGS & 25 FATHOMS 3' F.S. WIRE.

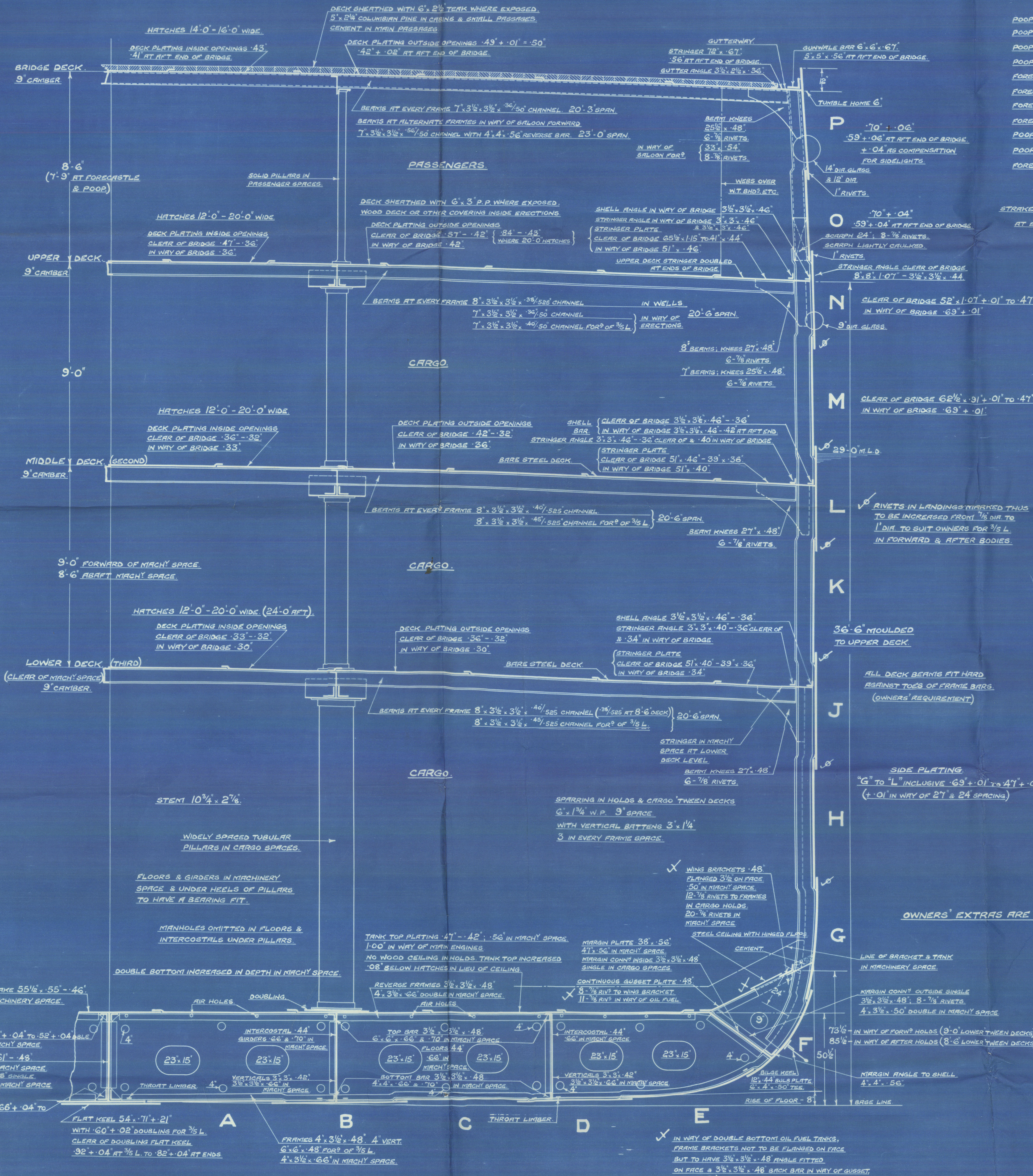
RIVETING :-

BUTTS :-

CENTRE GIRDER	4R - 3R
FLAT PLATE KEEL IN WAY OF DOUBLING	4R (WIDE STRIPS)
KEEL DOUBLING	3R (WIDE STRIPS)
FLAT PLATE KEEL CLEAR OF DOUBLING	4R (WIDE STRIPS)
BOTTOM SHELL	4R - 3R
SIDE SHELL	4R - 3R
UPPER DECK SHEERSTRAKE CLEAR OF BRIDGE	5R - 3R
UPPER DECK SHEERSTRAKE IN WAY OF BRIDGE	4R
STRAKE BELOW SHEERSTRAKE CLEAR OF BRIDGE	5R - 3R
STRAKE BELOW SHEERSTRAKE IN WAY OF BRIDGE	4R
BRIDGE SIDE PLATING	4R
POOP SIDE PLATING	1R
FORECASTLE SIDE PLATING	1R
TANK TOP CENTRE STRAKE	3R
TANK TOP PLATING	3R - 2R (3R IN MACH'Y SPACE)
MARGIN	3R - 3R
LOWER DECK STRINGER	2R - 2R
LOWER DECK PLATING	2R - 1R
MIDDLE DECK STRINGER CLEAR OF BRIDGE	3R - 2R
MIDDLE DECK STRINGER IN WAY OF BRIDGE	2R
MIDDLE DECK PLATING	2R - 1R
UPPER DECK STRINGER CLEAR OF BRIDGE	5R - 3R (WHERE NOT EXCEEDING 48')
UPPER DECK STRINGER IN WAY OF BRIDGE	3R
UPPER DECK PLATING CLEAR OF BRIDGE	INSIDE 2R - 1R; OUTSIDE 4R - 2R
UPPER DECK PLATING IN WAY OF BRIDGE	INSIDE 2R; OUTSIDE 2R
BRIDGE DECK STRINGER	4R - 3R
BRIDGE DECK PLATING	INSIDE 2R - 1R; OUTSIDE 3R - 2R
POOP DECK STRINGER	1R
POOP DECK PLATING	1R
FORECASTLE DECK STRINGER	1R
FORECASTLE DECK PLATING	1R

BEAMS :-

FLAT PLATE KEEL, BOTTOM & SIDE SHELL & UPPER DECK SHEERSTRAKE	2R
BRIDGE SIDE PLATING	1R
POOP SIDE PLATING	1R
FORECASTLE SIDE PLATING	1R
TANK TOP CENTRE STRAKE	2R
TANK TOP PLATING	1R (2R IN MACH'Y SPACE & OVER OIL)
MARGIN	2R
SEAMS OF DECKS & STRINGERS	1R (EXCEPT WHERE ABOVE 68' WHEN 2R)



POOP SIDE PLATING 48'

POOP DECK STRINGER PLATE 66' - 39' x 30'

POOP DECK PLATING 26'

POOP DECK STRINGER ANGLE 3 1/2" x 3 1/2" x 38'

FORECASTLE SIDE PLATING 44'

FORECASTLE DECK STRINGER PLATE 60' - 36' x 38'

FORECASTLE DECK PLATING 36'

FORECASTLE DECK STRINGER ANGLE 4' x 3 1/2" x 38'

POOP & FORECASTLE DECKS SHEATHED WITH 6:3 PITCH PINE WHERE EXPOSED.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

STRAKES "P" & "Q" INCREASED

AT ENDS OF BRIDGE.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

POOP DECK BEAMS 7' x 3' x 3' 1/2" 1/2" 1/2" CHANNEL; KNEES 25' x 42' x 6' 1/2" RIVETS.

FORECASTLE DECK BEAMS 8' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL; KNEES 27' x 48' x 6' 1/2" RIVETS.

FRAMING :-

FRAMES SPACED 30 INS. APART 6" SEPT FORWARD OF 3/5 LENGTH WHERE 27 INS. APART & IN PEAKS WHERE 24 INS. APART.

MAIN FRAMES IN CARGO HOLDS; 9' x 3 1/2" x 3 1/2" 1/2" 1/2" CHANNEL CARRIED

UP TO UPPER DECK, CLEAR OF POOP, BRIDGE & FORECASTLE;

IN WAY OF POOP, MAIN FRAMES CARRIED UP TO UPPER & POOP DECKS ALTERNATELY;

IN WAY OF BRIDGE, MAIN FRAMES CARRIED UP TO ABOVE UPPER DECK TO TAKE

TOPSIDE FRAMES, EXCEPT FOUR FRAMES AT EACH END OF BRIDGE, WHICH ARE

CARRIED UP TO BRIDGE DECK, IN WAY OF FORECASTLE ALL MAIN FRAMES

CARRIED UP TO FORECASTLE & ALTERNATE FRAMES CUT DOWN TO FORM

8' ANGLE BETWEEN UPPER & FORECASTLE DECKS.

REVERSE FRAMES IN CARGO HOLDS; 3 1/2" x 3 1/2" x 3 1/2" 1/2" 1/2" ANGLE

(3 1/2" FLANGE TO MAIN FRAMES) TO UNDERSIDE OF LOWER DECK BEAMS,

FORMING 9' GIRDER - AT EVERY FRAME.

MAIN FRAMES IN MACHINERY SPACE; 12' x 4' x 4' 1/2" 1/2" 1/2" CHANNEL CARRIED

TO ABOVE UPPER DECK TO TAKE TOPSIDE FRAMES; 12' CHANNEL CUT DOWN

ABOVE MIDDLE DECK TO FORM 10' x 4' ANGLE.

PEAK FRAMES; 9 1/2" x 3 1/2" x 4 1/2" x 4 1/2" 1/2" 1/2" ANGLE TO UPPER & POOP DECKS ALTERNATELY

IN WAY OF AFTER PEAK; 9 1/2" x 3 1/2" x 4 1/2" x 4 1/2" 1/2" 1/2" ANGLE TO FORECASTLE DECK IN WAY OF

FORE PEAK; ALTERNATE FRAMES CUT DOWN TO FORM 8' ANGLE BETWEEN

UPPER & FORECASTLE DECKS.

TOPSIDE FRAMES IN BRIDGE; 7' x 3 1/2" x 4 1/2" x 4 1/2" 1/2" 1/2" ANGLE AT EVERY FRAME

SCARPHED TO MAIN FRAMES ABOVE UPPER DECK & CARRIED TO

BRIDGE DECK.

INTERMEDIATE FRAMES; 7' x 3 1/2" x 3 1/2" x 4 1/2" 1/2" 1/2" ANGLE BETWEEN UPPER &

POOP DECKS (NOT SCARPHED); ALTERNATE MAIN FRAMES CUT DOWN TO

FORM 8' ANGLE BETWEEN UPPER & FORECASTLE DECKS.

RIVETING OF FRAMES :-

RIVETING IN FRAMES TO SHELL :-

RIVETS GENERALLY 6 DIA. IN DOUBLE BOTTOM & 6 1/2 DIA. IN

Midship Section
(Vessel as built)
M. V. Staffordshire
N^o 630.

Fairfield S. B. & E. Co. Ltd

003444-003449-0064



© 2020

Lloyd's Register
Foundation