

SS No 788

STERN AND RUDDER FRAMES.

SCALES AS MARKED

STERN AND RUDDER FRAMES
TO PASS LLOYD'S SURVEY

NOTES

SPEED OF SHIP = 11 KNOTS
AREA OF RUDDER = 145.6 SQ. FT.
AREA OF RUDDER = 532
DE OF RUDDER = 0.5

RUDDER FRAME TO BE OF BEST PRESSED STEEL STOCK TO BE IN TWO PARTS, CONNECTED AS SHOWN BY A HORIZONTAL COUPLING, HAVING 3/8" FITTED BOLTS, SECURED BY NUTS AND SPLIT PINS. BOLTS TO BE 3/8" IN REAR BOTTOM. BOLTS TO BE PLACED SEPARATELY FROM STOCK AND TO BE SUBJUG AND KEPT TO SAME. GUSSETONS TO TRAIL PINTLES TO FORM SOLID PART OF RUDDER ARM. PINTLES TO BE OF STEEL LET INTO GUSSETONS ON RUDDER WITH A TAPER AND SECURED ON TOP WITH TWO RIVETS AND SPLIT PINS TO BE FITTED TO PREVENT THESE SLACKING BACK. ALL PINTLES EXCEPT UPPER ONE TO REST ON GUSSETONS ON STERN FRAME. TOP PINTLE TO PASS THROUGH GUSSETON AND TO HAVE HEAD FITTED ON LOWER END TO PREVENT RUDDER LIFTING. STERN GUSSETON ON RUDDER ARM. PINTLES TO BE 1/2" LARGER THAN AS REQUIRED BY LLOYD'S TO SUIT OWNERS REQUIREMENTS. COUPLING TO BE ARRANGED SO THAT LOWER PART OF RUDDER MAY BE UNSHIPED WITHOUT REMOVING UPPER STOCK. THE RUDDER ARMS ARE TO BE FITTED ON ALTERNATE SIDES OF RUDDER STOCK. ONE TO BE TAKEN WITH THE CENTER LINE OF PINTLES AND RUDDER STOCK ARE IN A PERFECTLY HORIZONTAL LINE BOTH SIDE AND TOP AND MINIMUM AND ALSO THAT THE SURFACES OF THE RUDDER ARMS ARE IN ONE TRUE PLANE TO RECEIVE RUDDER PLATE.

ALL NUTS, BOLTS, SPLIT PINS, BUSHES, ETC. TO BE SUPPLIED BY CONTRACTOR. RUDDER FRAME TO BE DRILLED COMPLETE AND HOLES TO BE CONNECTIONS ON OUTER SIDE OF ARMS. RUDDER COUPLING BOLTS, PINTLES TO HAVE SPLIT PINS FITTED RUDDER JOINING 40° ON EACH SIDE OF CENTER LINE OF RUDDER. POSITION OF RUDDER ARMS TO SUIT GUSSETON ON STERN FRAME. VALUES OF RUDDER FRAME TO SUPPLY GUSSETON IN DUPLICATE OF RUDDER STOCK AND KEYWAYS. PARALLEL KEYWAY TO BE CUT (2" x 1") FOR ABOUT 11" BELOW TOP OF RUDDER STOCK.

6-3/8" DIA FITTED BOLTS
2 1/2 x 1/2 FEATHER ON BOTTOM COUPLING.

MATERIAL OUTSIDE OF BOLTS TO BE AT LEAST 7/8" DIA. OF BOLTS.

DETAIL OF COUPLING
SCALE 1 1/2" = 1 FOOT

COUPLING TO BE FLATTENED AT THIS PART ENOUGH TO ALLOW UNSHIPING OF LOWER PORTION WITHOUT FOUING

DETAIL OF STOPPER ARM
SCALE 1 1/2" = 1 FOOT

TO BE LEFT 1/2" TALL ON RUDDER AND CHIPPED TO SUIT STERN POST.

6-3/8" DIA FITTED BOLTS.

2 1/2 x 1/2 FEATHER ON BOTTOM COUPLING.

COUPLING TO BE ARRANGED SO THAT LOWER PART OF RUDDER CAN BE UNSHIPED WITHOUT REMOVING UPPER STOCK.

DETAIL OF PINTLES - INTERMEDIATE
SCALE 3" = 1 FOOT

DETAIL OF BOTTOM PINTLE
SCALE 1 1/2" = 1 FOOT

DETAIL OF TOP PINTLE
SCALE 1 1/2" = 1 FOOT
NOTE: TOP PINTLE ONLY IS A LOCKING PINTLE.

APPROVED
LLOYD'S REGISTER OF SHIPPING
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Stem frame and Rudder

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