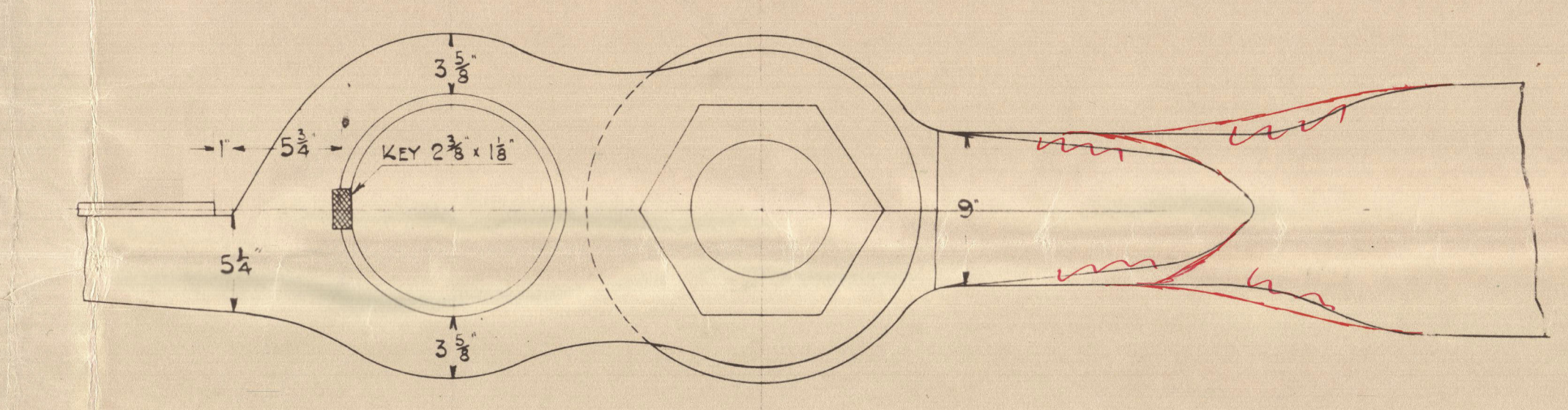
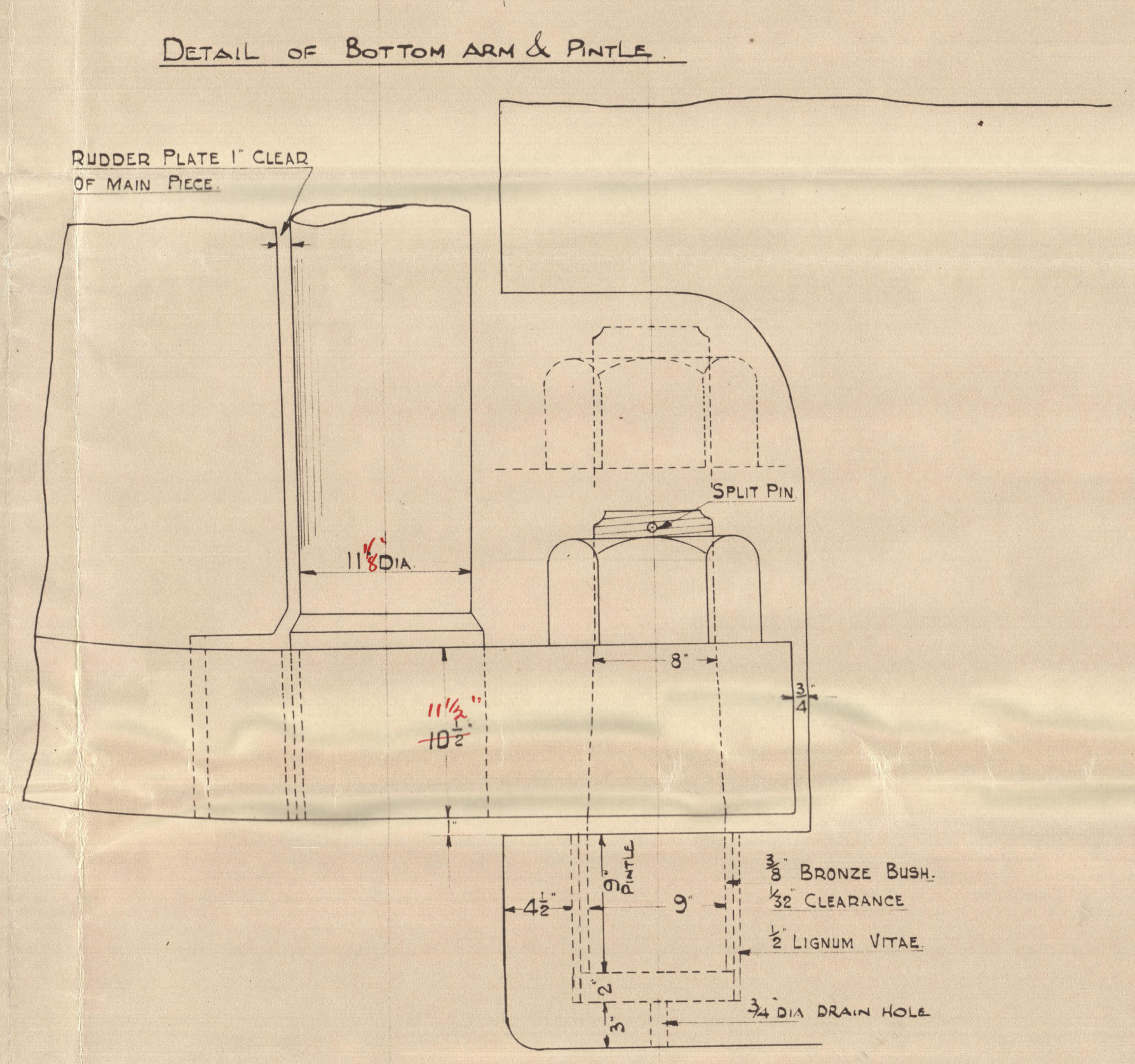
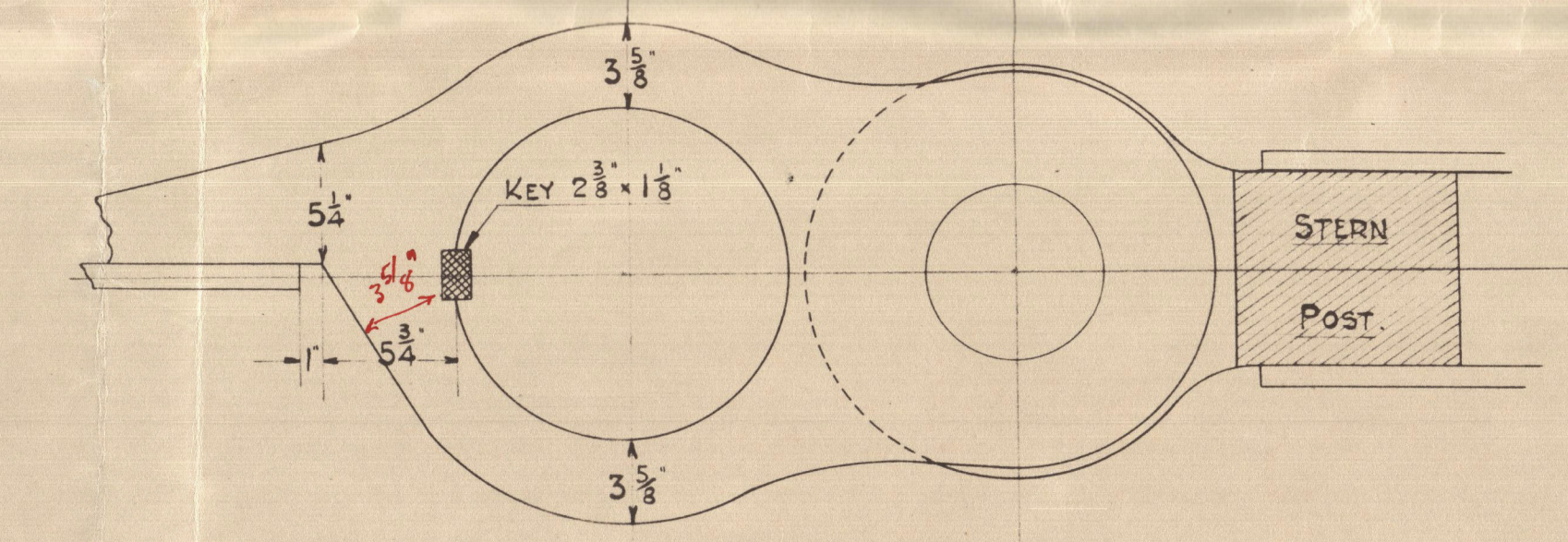
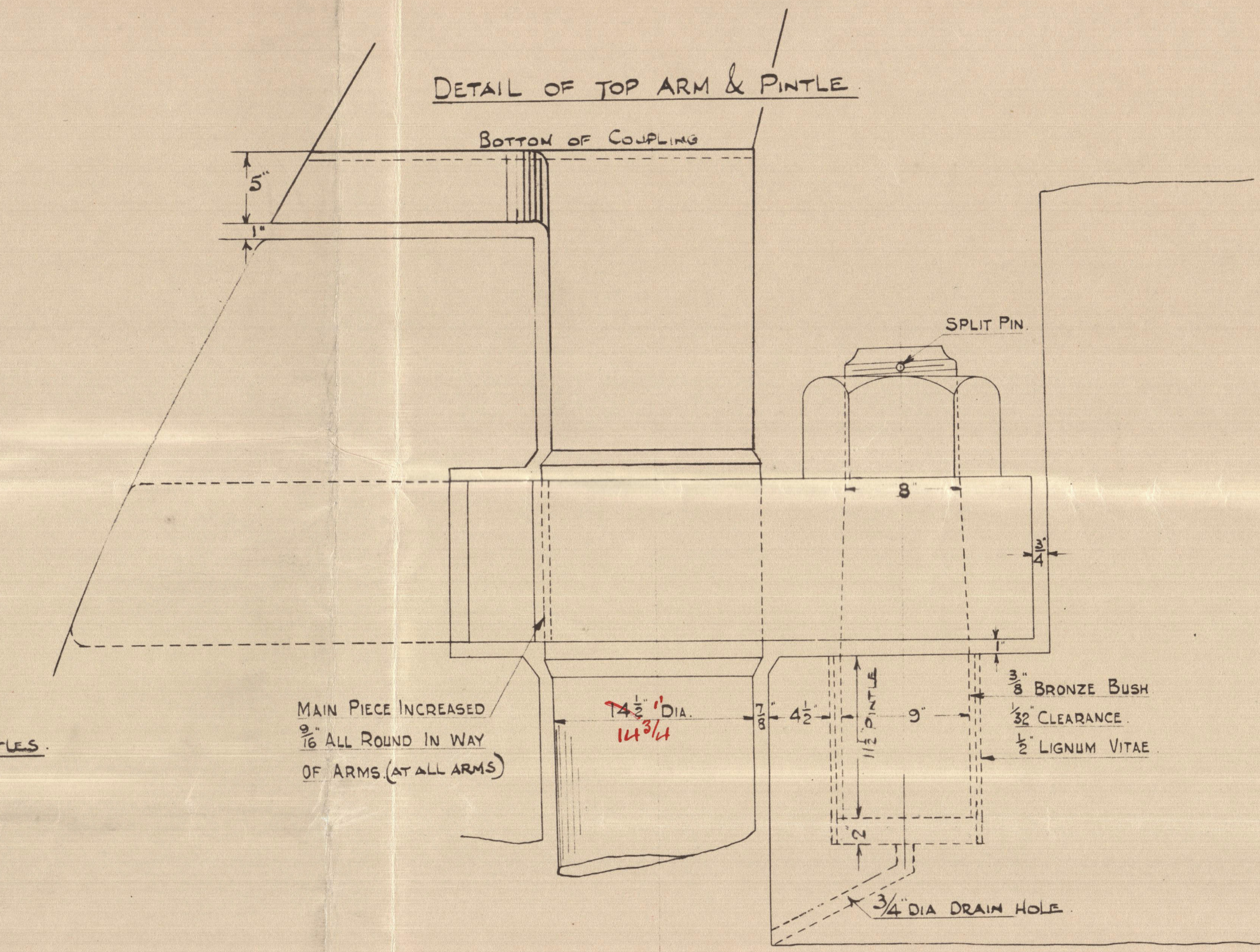




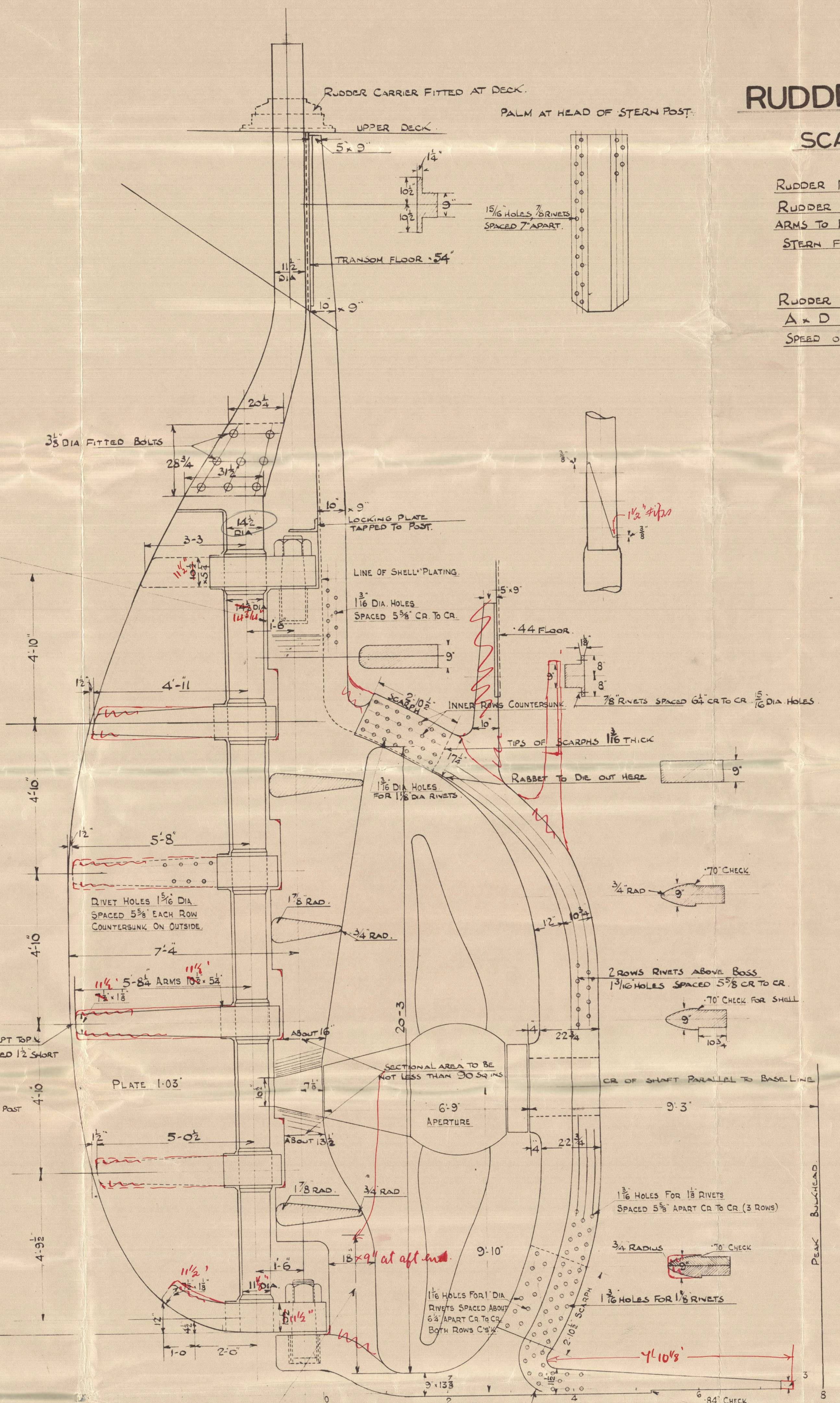
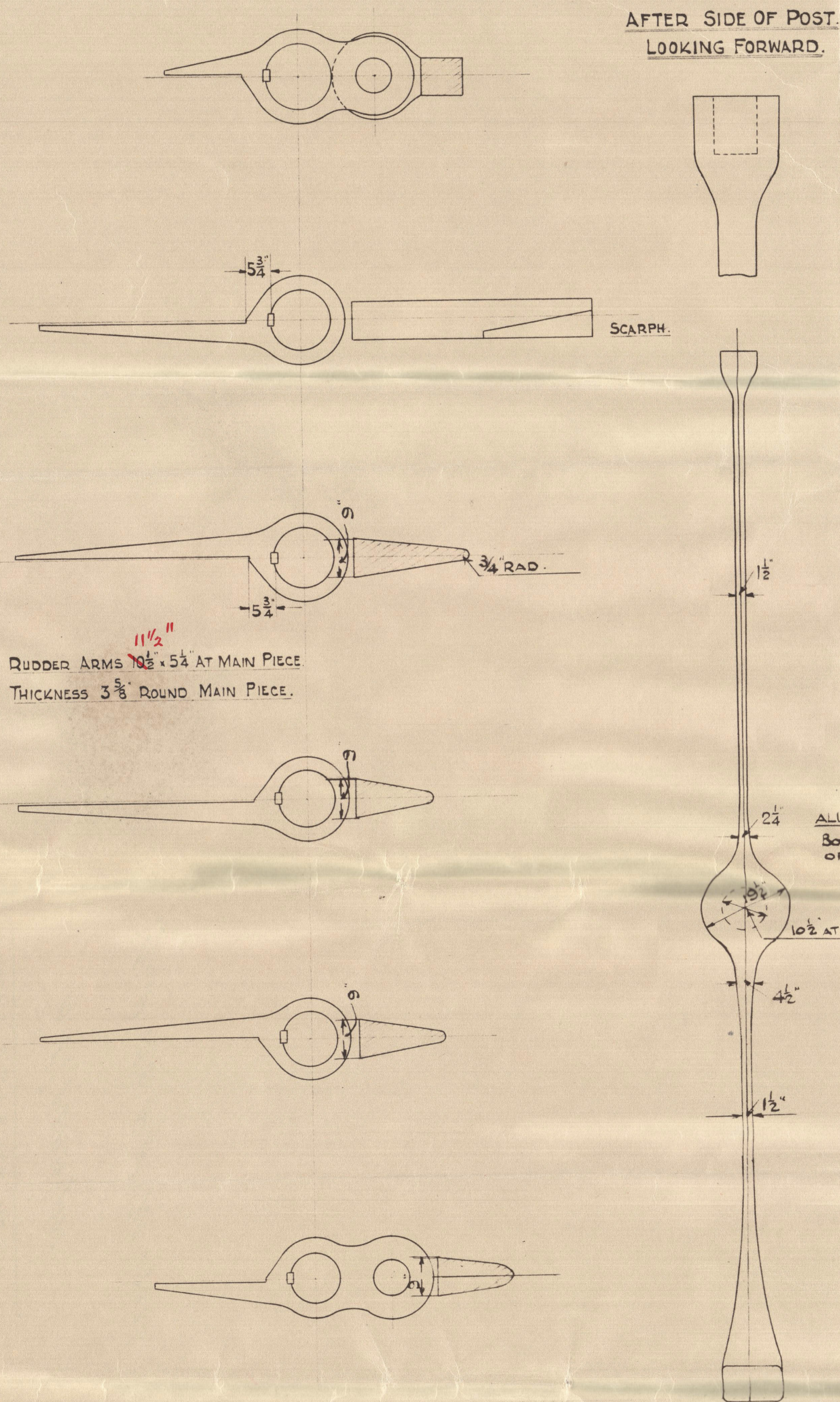
SHIP N^o 551.
RUDDER & STERNFRAME.
SCALES $\frac{1}{2}$ " & $\frac{1}{2}$ " = 1 FOOT.

RUDDER FRAME MAIN PIECE & STOCK — FORGED IRON.
RUDDER ARMS — CAST STEEL.
ARMS TO BE SHRUNK ON & KEYED TO MAIN PIECE.
STERN FRAME — CAST STEEL.

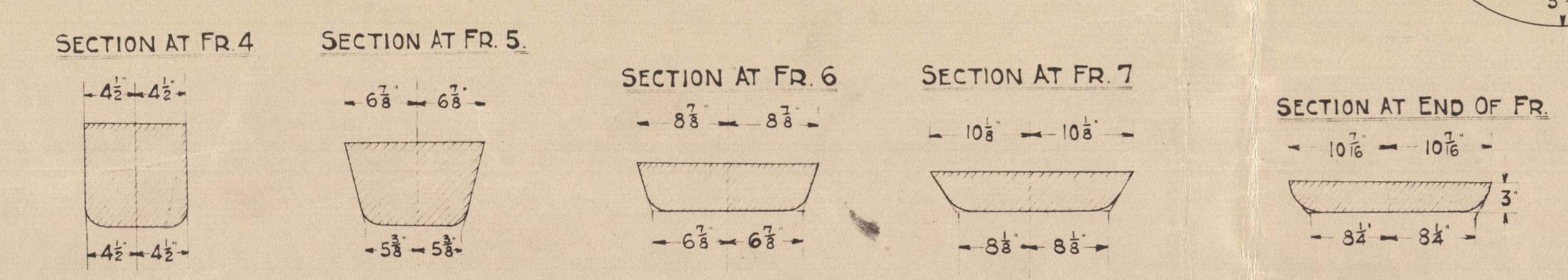
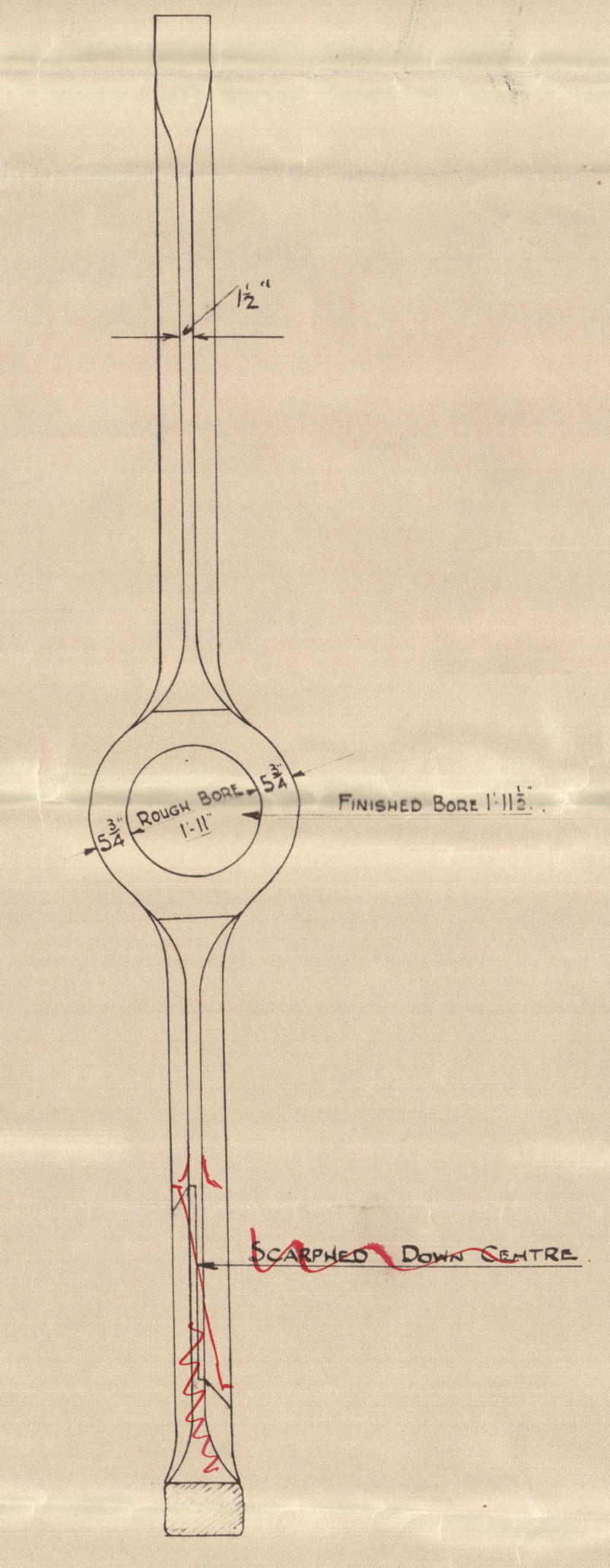
RUDDER AREA = 141.7 SQ. FT.
A x D = 531
SPEED OF SHIP 11 KNOTS.
D = 3.75 FT. = CR OF AREA ABAFT CR OF PINTLES.



PLAN VIEWS.
RUDDER ARMS & RUDDER POST.



AFTER SIDE OF PROPELLER POST
LOOKING FORWARD.



SKETCH OF STERN FRAME & RUDDER.

SCOTT'S S. B. & E. CO'S No 551.

M. V. 'PERMIAN'

Grk. 1st E. Rep. N. 19326.



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