

2.3.20.

Nº 1120

PLAN OF RUDDER & STERN POST.

SCALE $\frac{1}{2}$ " = 1 FOOT.

NOTE.

RUDDER & STERN FRAMES TO BE MADE TO LLOYD'S REQUIREMENTS.
LOOSE STEEL PINTLES TO BE SUPPLIED WITH FRAME.
ALL MACHINING & DRILLING TO BE DONE BY MACHINERS.
RUDDER PLATE TO BE SUPPLIED & FITTED BY S.H. & W.R. LTD.
THE 4 OF PINTLES TO BE IN A PERFECTLY STRAIGHT LINE.
MAIN PIECES TO BE OF FORGED IRON.
ARMS TO BE SUNK ON & KEVEY TO MAIN PIECE.

RIVETING IN ARMS.

$\frac{1}{8}$ " HOLES FOR $\frac{1}{8}$ " RIVETS (COUNTER SUNK).
SPACED 5" APART. CENT. TO CENT. REELED.

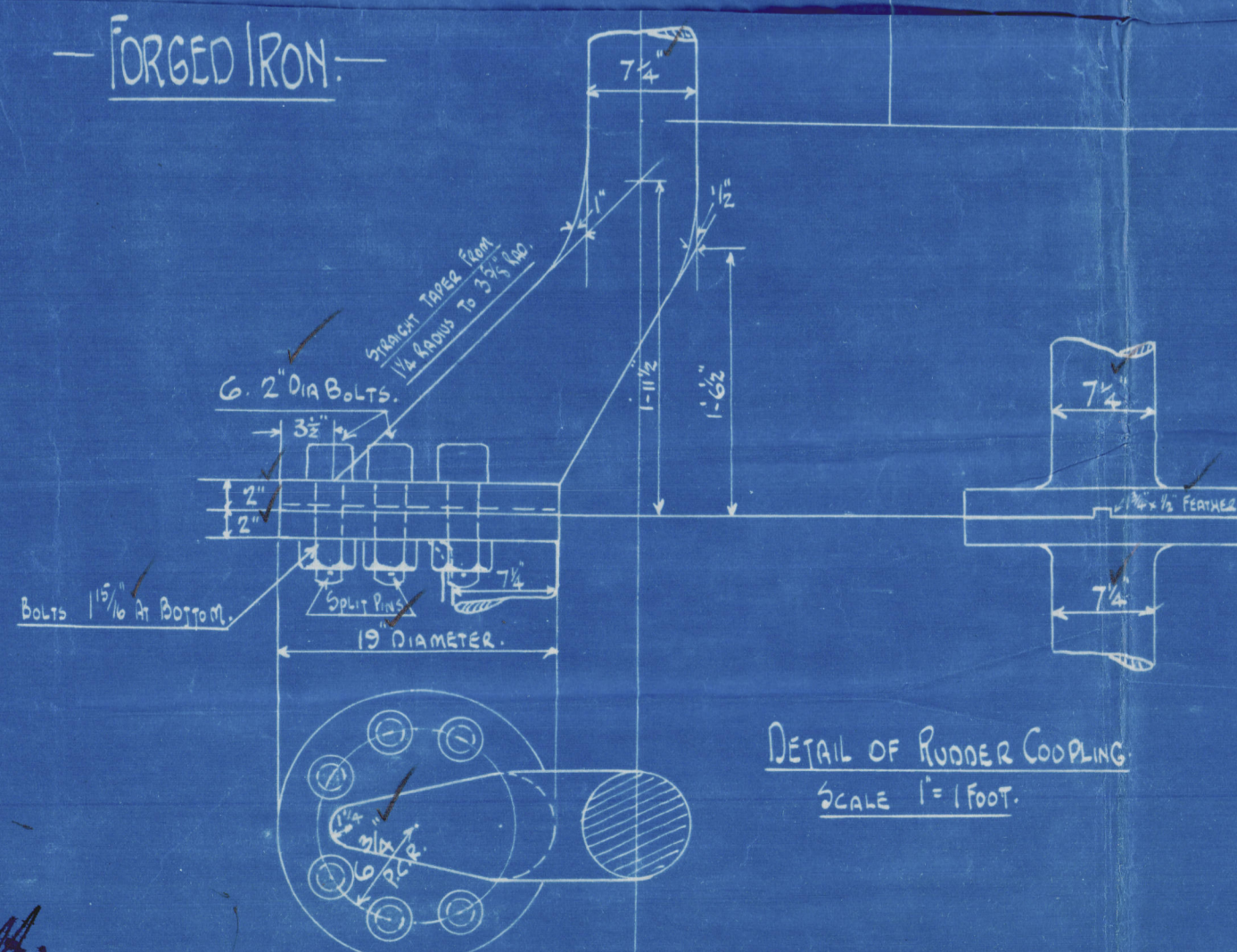
"A" RUDDER AREA = 67 SQ. FEET.

"D" = 2.67 FEET.

"A" x "D" = 179.

SPEED 12 KNOTS.

FORGED IRON.



DETAIL OF RUDDER COUPLING
SCALE 1" = 1 FOOT.

BACK OF POST TO BE PERFECTLY SQUARE
TO BASE LINE. AND GREAT CARE TO BE
TAKEN TO MAKE GUDGEON HOLES IN A
PERFECTLY STRAIGHT LINE.

FORGED IRON.
OR CAST STEEL

MAIN PIECE IN WAY OF EACH ARM
TO BE INCREASED 10% IN DIA. EXTENDING
ABOVE & BELOW FOR A DISTANCE EQUAL
TO THAT INCREASE. THENCE GRADUALLY
TAPERED IN MAIN PIECE A SIMILAR DISTANCE

RIVETING IN STERN POST.

RIVET HOLES $\frac{1}{8}$ " DIA. SPACED 5" APART CENT. TO CENT.
DRILLED AS PER DOTTED LINES.
1ST ROW. $\frac{1}{2}$ " FROM BACK OF POST
2ND " $\frac{1}{2}$ " " 1ST ROW.

DETAIL OF GUDGEONS
SCALE 3" = 1 FOOT.

GUDGEONS TO BE BUSHED WITH $\frac{1}{2}$ " LUBRICATED
RUDDER PINTLES TO BE BUSHED WITH $\frac{1}{2}$ " BRASS.
PINTLES $\frac{3}{8}$ " DIAMETER.

W.H.
21.2.20.



Lloyd's Register
Foundation

712 1120

Swan Hunter & Wigham Rebuild

Plan of Rudder & Stern Post

$\frac{1}{5}$ ALL AMERICA
NEWCASTLE ON TYNE.

Report No. 74869



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