

N<sup>o</sup> 276.

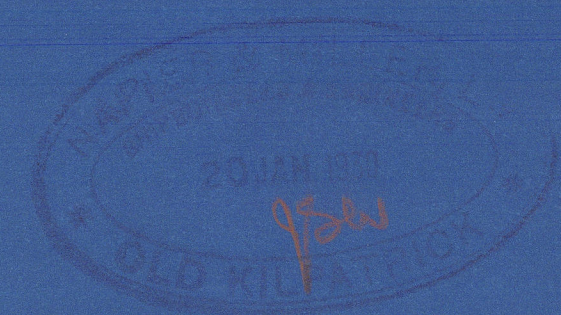
# Rudder and Sternframe.

Scale  $\frac{1}{2}'' = 1'-0''$ , and as marked.

To Lloyds requirements

Rudder and Sternframe to be of forged scrap iron.

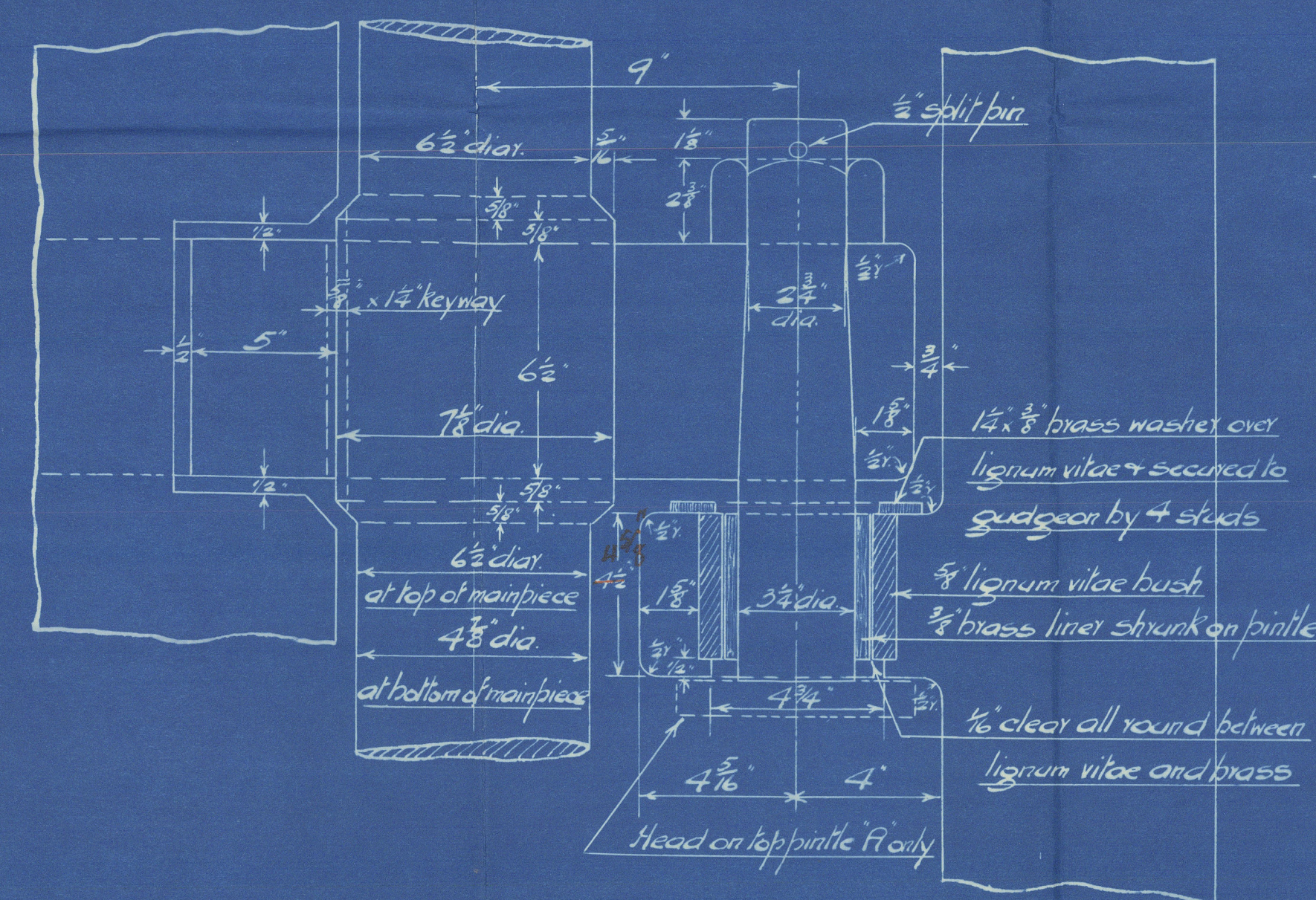
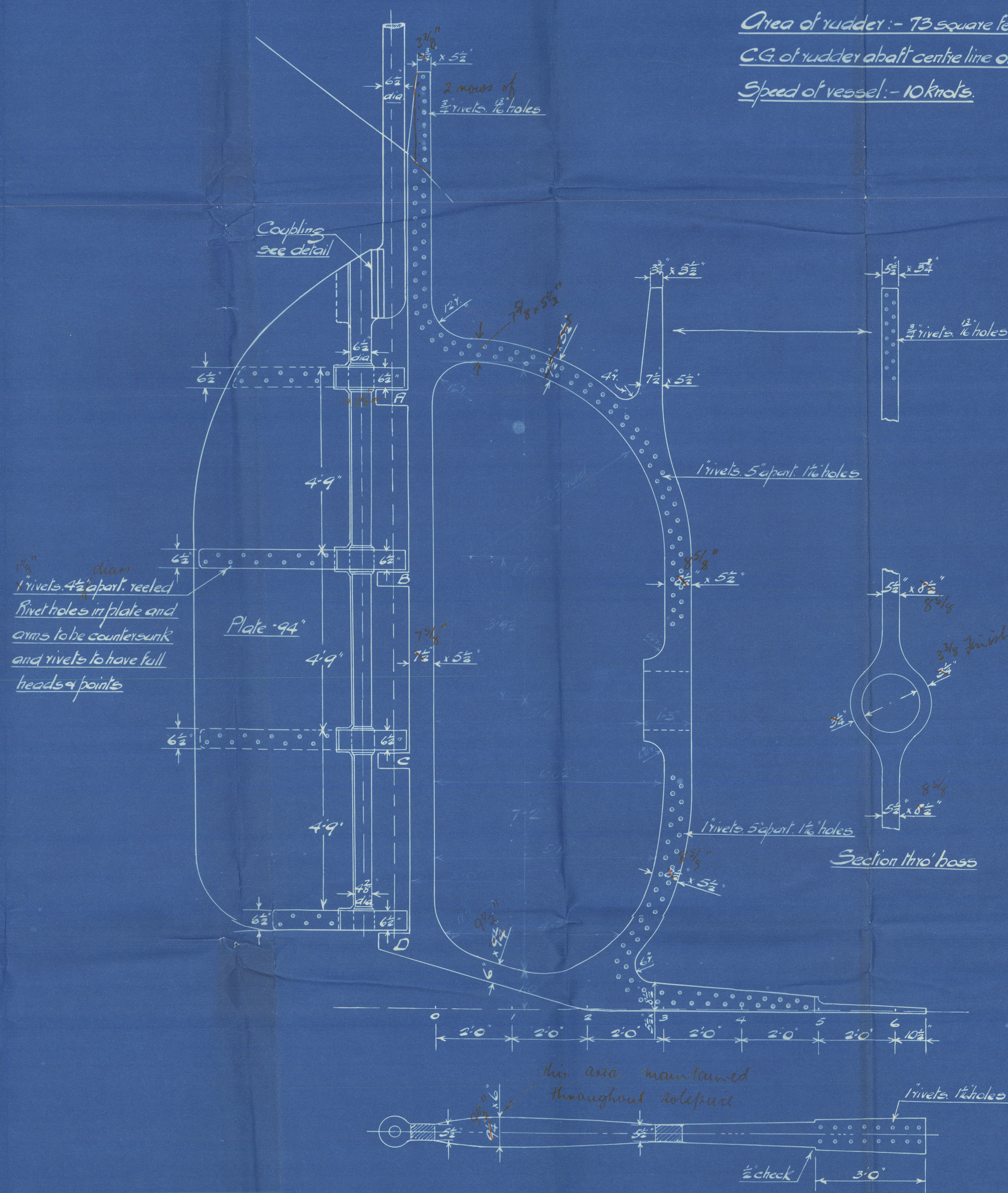
Rudder arms shrunken and keyed to mainpiece.



Area of rudder :- 73 square feet.

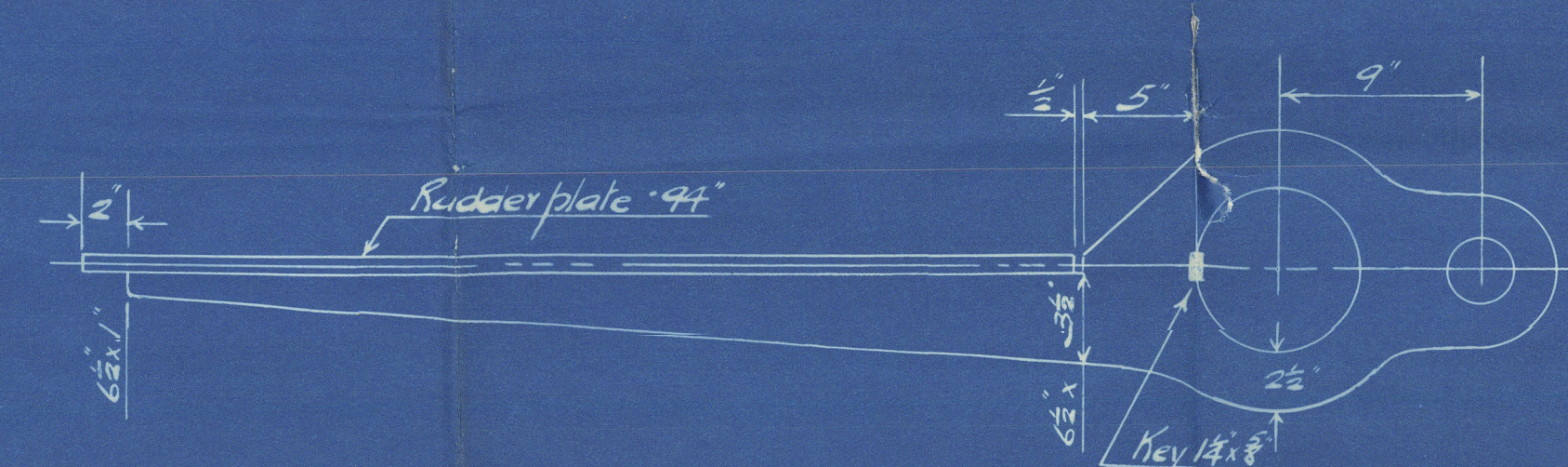
C.G. of rudder abaft centre line of pintles :- 2.55 feet.

Speed of vessel :- 10 knots.



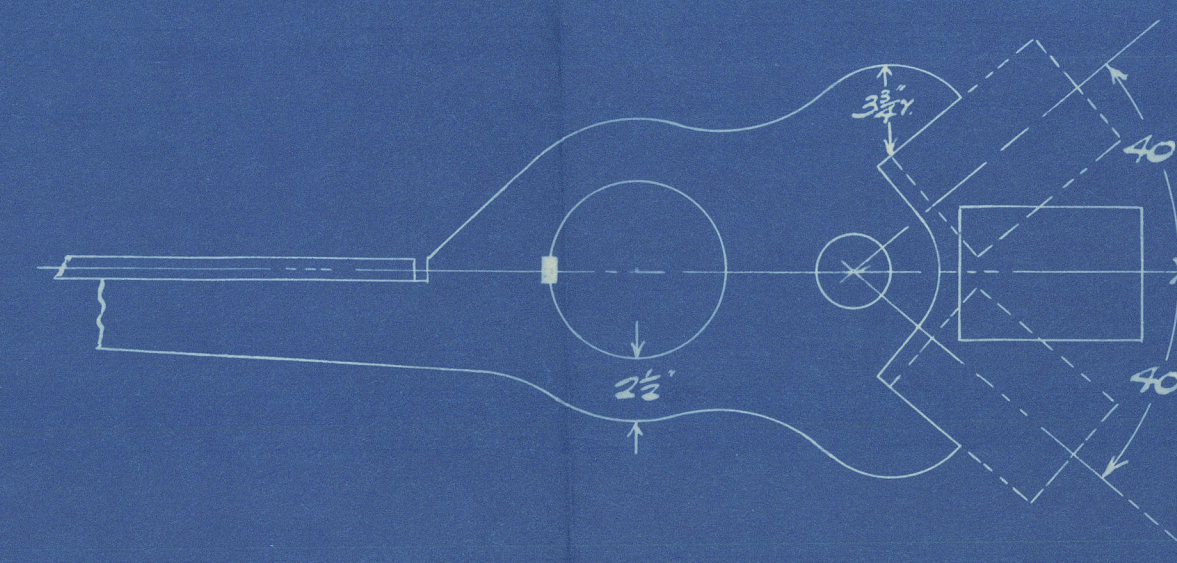
Detail of Pintles & Gudgeons 'A', 'B', & 'C'

Scale  $3'' = 1'-0''$



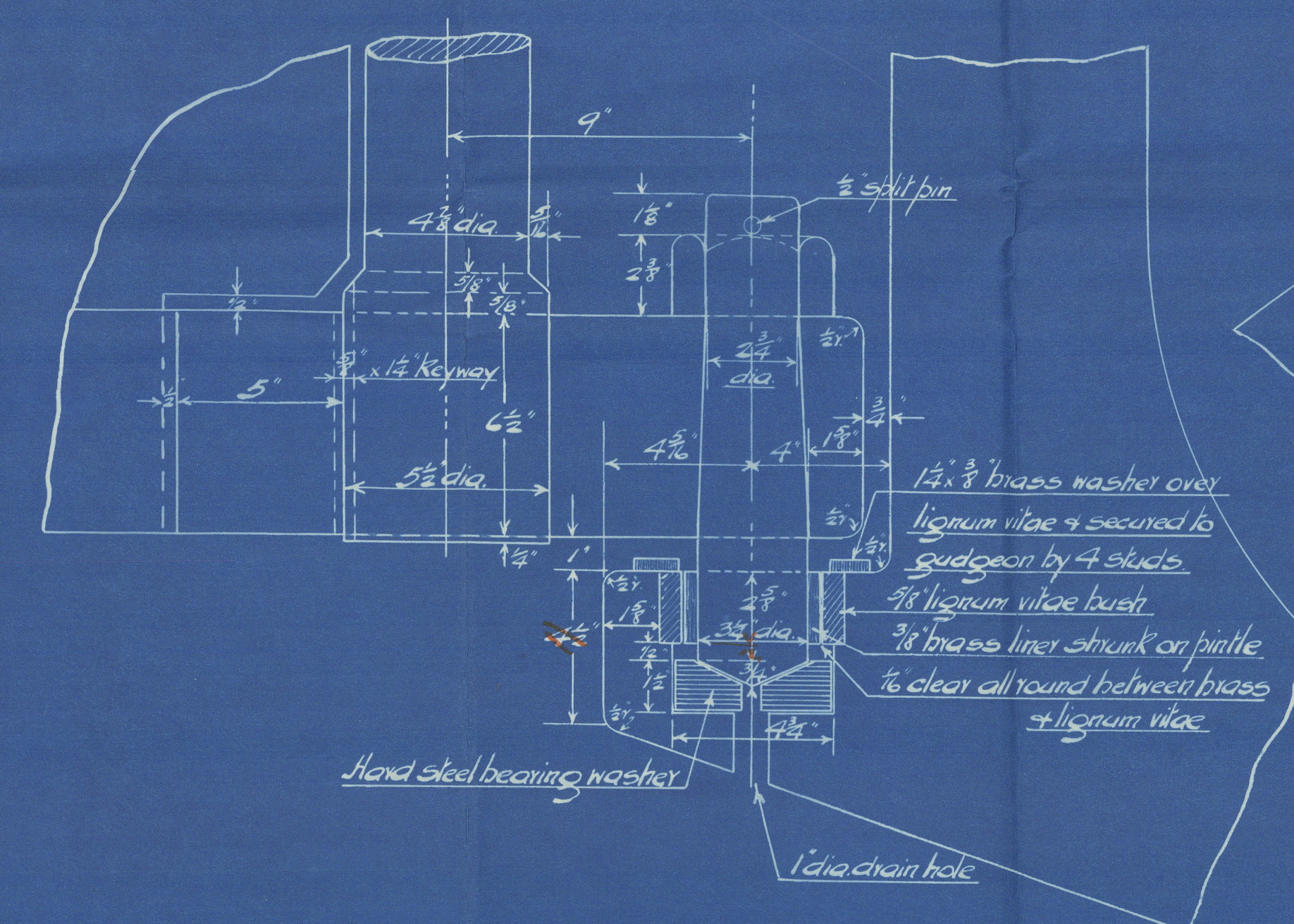
Section thro' rudder arms 'A', 'C' & 'D'

Scale  $1\frac{1}{2}'' = 1'-0''$



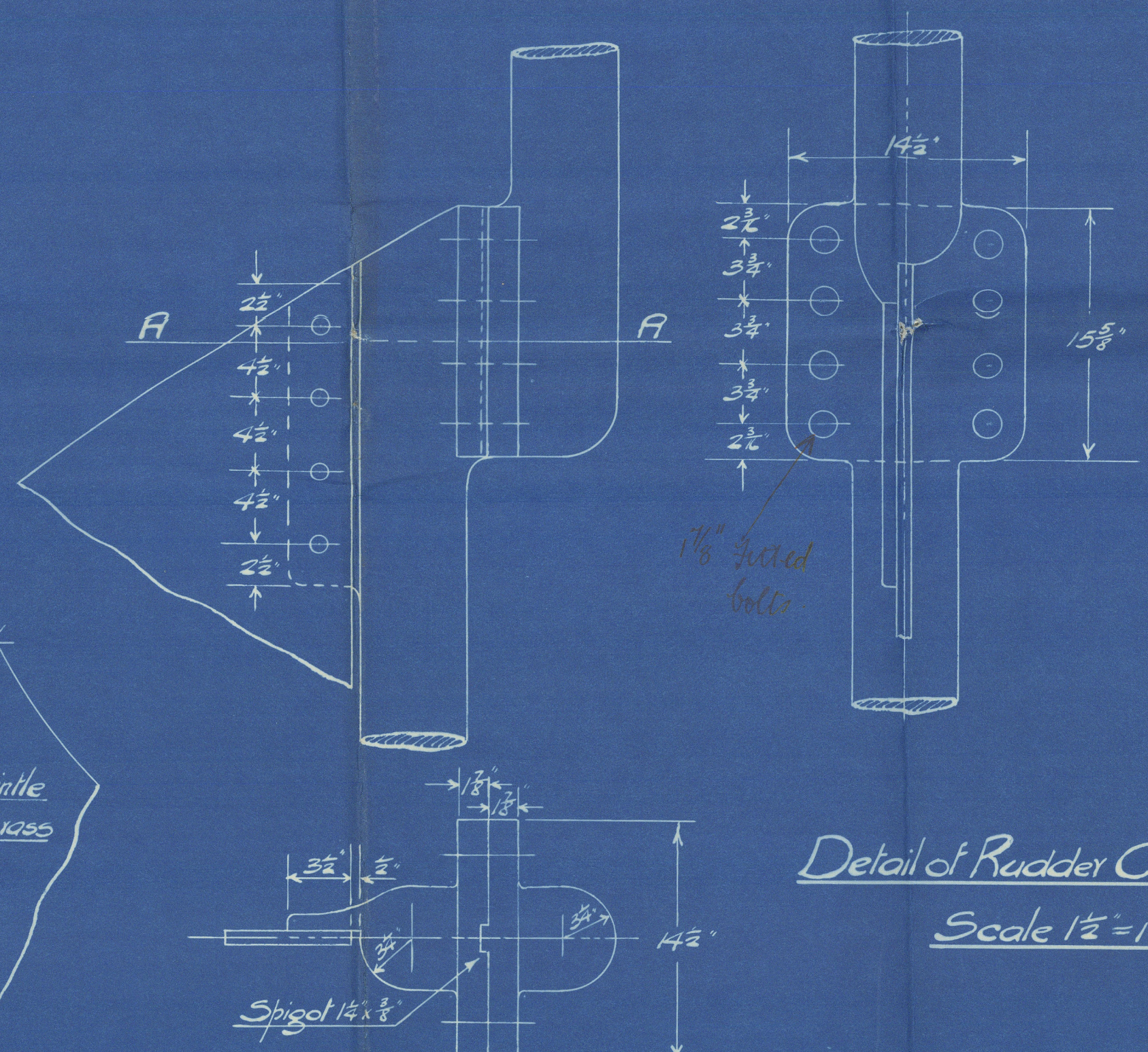
Section thro' rudder arm 'B'

Scale  $1\frac{1}{2}'' = 1'-0''$



Detail of Pintle & Gudgeon 'D'

Scale  $3'' = 1'-0''$



Detail of Rudder Coupling

Scale  $1\frac{1}{2}'' = 1'-0''$

Section thro' 'A'



Napier and Miller, Ltd.

No. 276.

Sternframe and Rudder.

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*"Peneryf"*

GLASGOW REPORT No 50693



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