

N^{OS} 1329-1331-1333-1335

3 SEP 1927

RUDDERFRAME.

TO CLASS B.S. FOR SERVICE ON GREAT LAKES & RIVER STEAMERS.

RUDDER FRAME OF FORGED STEEL TO PASS TESTS OF BRITISH

CORPORATION.

SCALE 1/2" = 1 FT

AREA ABAFT $\frac{1}{2}$ OF STOCK = 75.08 sq ft

AREA FORWARD OF STOCK = 21.73 sq ft

C.G. ABAFT $\frac{1}{2}$ OF STOCK = 1.09 ft

C.G. ABOVE BASE LINE = 7.61 ft

SPEED = 8 KNOTS

KEY 1/2" WIDE x 3/4" AT TOP TO 1" AT BOTTOM.

NOTES.

DIMENSIONS GIVEN ARE TO BE CAREFULLY WORKED TO & NOT EXCEED AS WE ONLY PAY ON WEIGHTS CALCULATED TO THESE DIMENSIONS.

ALL MACHINING AND DRILLING TO BE DONE BY MAKERS.

FRAME NOT TO BE PAINTED BUT TO HAVE A COAT OF OIL.

CENTRE LINE OF MAINPIECE TO BE SQUARE TO BASE LINE.

WEIGHT OF FRAME TO BE PAINTED ON BEFORE DESPATCH.

5/16" BRASS LINER TO BE CAST & GROOVED ON. GROOVES TO BE

5/8" WIDE & 1/8" DEEP.

STOCK TO BE INCREASED 3/4" IN DIA. IN WAY OF ARMS, THE INCREASE

TO BE UNIFORM & EXTEND ABOVE & BELOW EACH ARM, EXCEPT THE

BOTTOM OF THE LOWER ARM, FOR A DISTANCE OF 1/2" & THEN

TAPERED OVER A SIMILAR DISTANCE INTO THE NORMAL DIA.

1" DIA. HOLE 3" DEEP TAPPED TO TAKE SETSCREW.

PARTICULARS OF KEYWAYS & SMOOTH TURNING OF UPPER STOCK TO BE SENT LATER.

APPROX 8.3" CORRECT LENGTH WILL BE SENT LATER

PLATE .87" SUPPLIED BY SHIPBUILDERS.

PLATE TO BE KEPT 3/4" CLEAR OF STOCK.

RIV. HOLES IN PLATE COUNTERSUNK.

ARMS TO BE KEPT .95"

APART TO ALLOW PLATE TO REEVE.

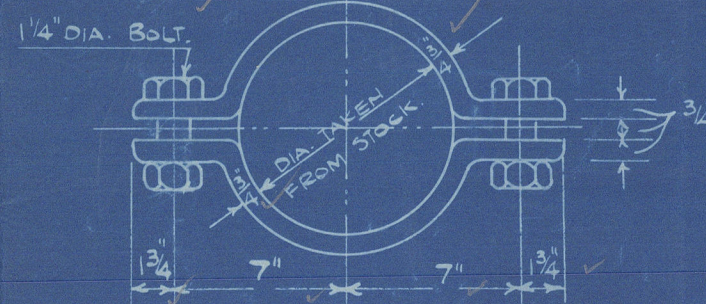
ARMS SHRUNK & KEYED ON TO MAINPIECE.

DETAIL OF ARMS.

SCALE 1/2" = 1 FT

DETAIL OF RING TO PREVENT LIFTING.

SCALE 1/2" = 1 FOOT.



GUDGEON SUPPLIED BY MAKERS OF STERNFRAME.

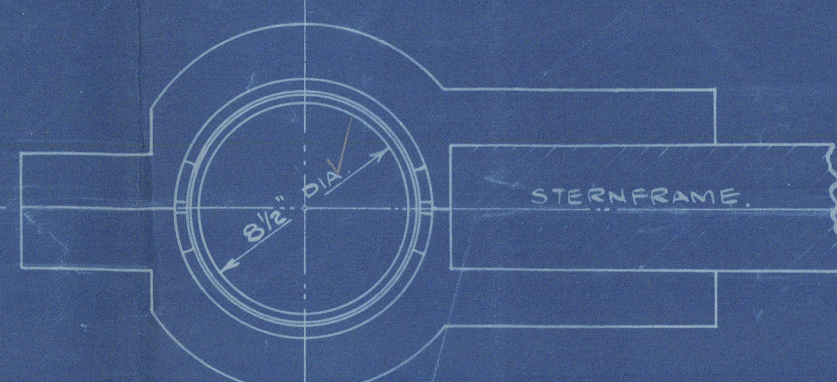
$$8 - 2" = 2.311 = 18.488$$

$$1.315"$$

RING TO PREVENT LIFTING.

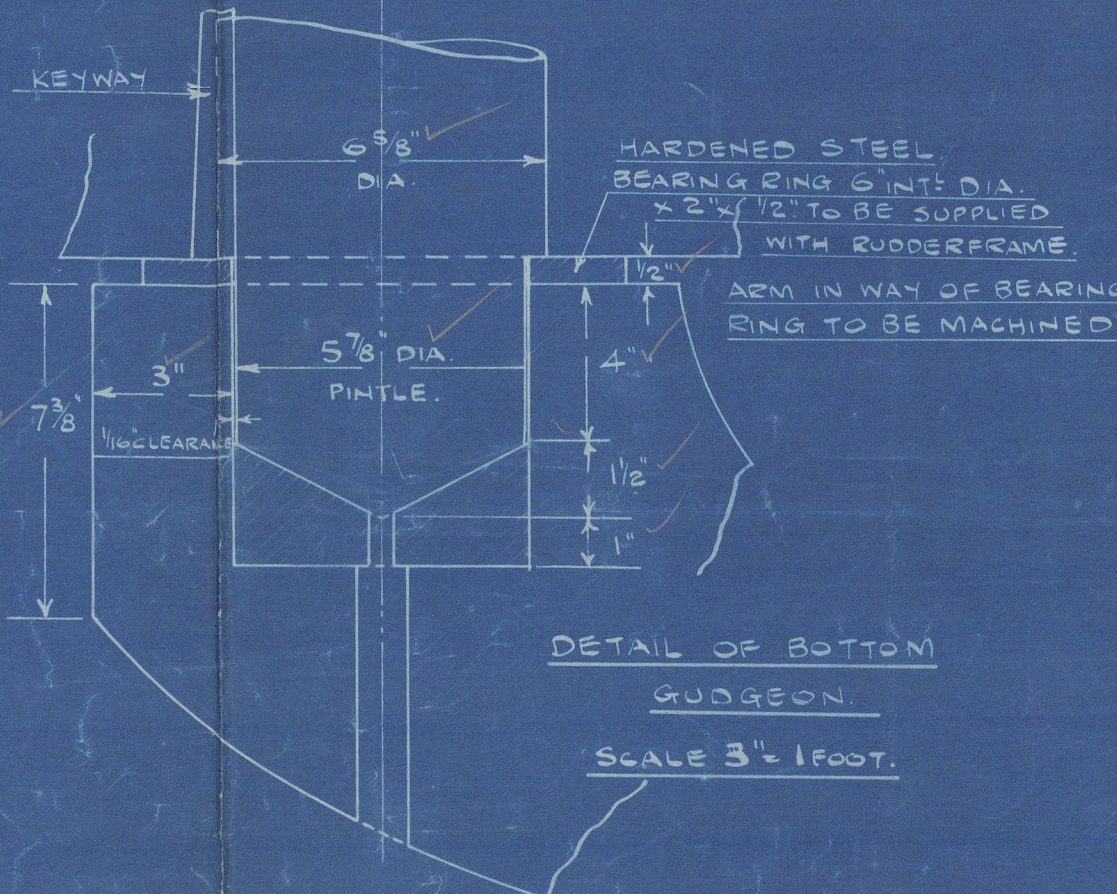
DETAIL OF BEARING GUDGEON.

SCALE 1/2" = 1 FT



DETAIL OF BOTTOM GUDGEON.

SCALE 3" = 1 FOOT.



E.W. E.A.H.

W. HUNTER & WILIAM RICHARDSON, SHIPBUILDERS & ENGINEERS

7-9-27 No. 4 106 Lloyd's Register Foundation

004512-004519-0203

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Rudder

Swan Hunter & W.R.

Nos 1329-31-3-5-7.

9-9-27

1329 Cartierdoc. - ~~XX~~ &

1331 Lavaldoc.

1333 Mondoc.

1335 "Soreldoc"

1337 Troisdoc

1345 Novadoc.

1347 Newbrundoc.

1382 Dyneville NOW "JOHN J. BOLAND JUN."

1390 Scott Misener.

1365 Delaware

1367 Cheyenne

1369 John A. McMiller

1371 C. H. Houston

1373 Ralph Gilchrist

1375 Joseph P. Burke



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