

$$\frac{N^{\frac{0}{11}} 1009}{1016} + \frac{1014}{1016}$$

RUDDER PLAN.

SCALES:- $\frac{1}{2}"$ & $|\frac{1}{2}" = 1$ FOOT.

MATERIAL

| | |
|---------------------------------------|--------------------|
| RUDDER STOCK | FORGED INGOT STEEL |
| RUDDER FRAME | CAST MILD STEEL. ✓ |
| STRIP AT AFT END | FORGED STEEL. ✓ |
| PINTLES | FORGED STEEL. ✓ |
| ALL TO LLOYDS TESTS & REQUIREMENTS. ✓ | |

PARTICULARS

| | | |
|-----------------------------------|---------------------|-----------------------------------|
| TOTAL RUDDER AREA | 287.1 | 233 1/2 SQ. FT. |
| RUDDER AREA ABAFT C.L. OF PINTLES | 288 G | 205 " " |
| SPEED OF VESSEL | | 16 KNOTS. ✓ |
| MAX. ANGLE OF HELM | | 37 1/2 DEGREES |
| AREA COEFFICIENT | 515 x 20.5 233.5 | 522 x 5428.5 2871.3 64 51 65 ✓ |

Room: S100K 1/2 DIA 100 EXCESS on Ulysses Rules

7 1/4 x 1 1/4 To 2 5/8
FORGED STEEL
STRIP
WELDED
SECTION AT "DD"

[illegible]

NOTES

PLATES & ANGLES SUPPLIED & FITTED BY SHIPBUILDER
COUPLING BOLTS & NUTS TOGETHER WITH KEY FOR
SCREWING UP. ALSO ACCESS PLATE & 1/2" BRONZE
BEARING RING TO BE SUPPLIED & FITTED COMPLETE
BY CONTRACTOR.
BORED STEEL PINTLES FITTED WITH 5/8" BRASS
LINER & COMPLETE WITH HEXAGONAL NUTS &
SPLIT PINS TO BE SUPPLIED BY CONTRACTOR.
RUDDER FRAME TO BE BORED FOR PINTLES
STOCK & FRAME TO BE BOLTED TOGETHER AT
CONTRACTORS WORKS TO ENSURE ALIGNMENT
BETWEEN UPPER STOCK & PINTLES.
SPACE BETWEEN PLATES TO BE LEFT EMPTY BUT
INSIDE TO BE COATED WITH BITUMINOUS COMPOSITION
THE FOLLOWING PARTS TINTED RED TO BE MACHINED
BEARING SURFACES OF COUPLINGS.
RUDDER STOCK & BRASS LINER
TOP & BOTTOM OF ARMS IN WAY OF PINTLES
RECESSES & FACES OF COUPLING IN WAY OF BOLTS
1/2" BRONZE BEARING RINGS.
SEE ALSO KEY PLAN & PLAN OF
FULL SIZE SECTIONS.

Technical drawing of a knife, showing five views: top, bottom, side, and end views. Dimensions are given in inches and fractions.

Top View:

- 1 Pl. $5\frac{1}{2} \times 16\frac{1}{8} \times .50$
- 10 $\frac{1}{2}$ "

Bottom View:

- 3 Pls. $8 \times 6 \times .25 \frac{1}{4} \times .50$
- 10 $\frac{1}{2}$ "

Side View:

- 4
- 50 PLATE
- 3"

End View:

- 6 1 Pl. $4 \times 10 \times .25 \frac{1}{8} \times .50$
- 4
- 3 $\frac{1}{2} \times 3 \frac{1}{2} \times .50$
- 50 PLATE
- 50 PLATE
- 14 12 13 14 15 15
- 2 $\frac{1}{2}$ "

End View (Bottom):

- 10 $\frac{1}{2}$ "
- 12 13 14 15
- 2 $\frac{1}{2}$ "

KEY FOR COUPLING BOLTS

SECTION AT "AA" LOOKING AFT SECTION AT "BB" SECTION AT "CC"

Technical drawing of a gunmetal access plate, showing detail, section, and plan views.

DETAIL OF ACCESS PLATE: Shows a rectangular plate with rounded corners (3 RAD). Dimensions include 1'-3" width, 1'-0" height, and 8 GUNMETAL TAPS. The plate is 1/2" thick.

SECTION THRO' XX: Shows the plate (1'-3" wide, 1/2" thick) with 8 GUNMETAL TAPS. The plate is 1/2" thick.

Plan View: Shows the overall dimensions of the plate: 18" x 11" (overall), 16" x 9" (inner opening). The plate is 1/2" thick. The drawing includes various dimensions for the plate's geometry, including radii (3" RAD, 1/2" RAD), thickness (1/2"), and tap locations (8 GUNMETAL TAPS). The plate is 1/2" thick.

SECTION AT "CC" SECTION THRO' CASTING.

[illegible][illegible]

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Cammell Laird & Co

No 1014, 1016, 1016

~~Wreck Section~~
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Rudder

S.S. *Dunedin Star*



LIVERPOOL

Report No. 106781

Melbourne Star

LIVERPOOL

Report No. 104955

Brisbane Star

LIVERPOOL

108319

PLANS TRANSFERRED

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