

[illegible]

1:5

Rudder body
15 mm

30 mm
600 mm
inside

Portable cover
cost steel

200 15 335 to
rotary axis

Doubling plate
250 x 15 mm

Section y-y

1:5

200 15 335 to
rotary axis

Arrangement
1:10, 1:5.

[illegible]

Plan view of bearing.

Holes for 2 3/4" lined bolts (see resp. note)

3 - 1 1/4" tapered hole 75mm deep.

Section C-D.

Plan view of bushes.

1" screw-hole (only in flange) to take set-bolt for lifting purposes, brass plug fitted.

1 1/4" head screw gunmetal hole in flange 36mm ϕ second by 1/4" m. bored plate

3 - 1 1/4" tapered hole 45mm deep

Centre-line of runner

Graves to be fixed in flange with cement.

Contours of brass-bushes

1" head screw gunmetal hole in flange 36mm ϕ second by 1/4" m. bored plate

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Hand-drawn technical drawing of a mechanical part, labeled "Working design." and "Smooth, not to be machined." The drawing shows a top view of a square component with rounded corners and a central circular feature. Dimensions are given in millimeters (mm). The outer square has a side length of 270 mm. The inner circular feature has a diameter of 100 mm. The drawing includes various radii (R) and fillets (F) for smooth transitions. A note at the bottom right states "Smooth, not to be machined."

Hand-drawn technical drawing of a rudder head cross-section. The drawing shows a circular structure with a central hub and eight radial spokes. The outer rim has eight bolt holes. Dimensions include a total diameter of 26.5 inches, a central hole diameter of 1.75 inches, and a flange thickness of 1.5 inches. A note indicates that the holes in the flange are secured by 1/4 inch bolts. Another note mentions a 1-inch screw hole for fitting a brass plug. The drawing is labeled "Centre-line of rudder" and includes a scale bar from 0 to 1.75 inches.

[illegible]

~ smooth, not to be machined.
▽ roughly machined
W perfectly "

W.J.
14.6.33

- 1) The inside diameters of the rudder-bearings are to be exactly machined after the rudder-body has been ready welded in all parts and the bearings have been fitted in place.
- 2) The holes for the lined-coupling bolts in upper-bearing are to be exactly machined in accordance to coupling of rudder-head, after the two rudder-bearings have been placed in perfectly straight line to centerline of rudder-head.
- 3) The brass-bushes are to be joined carefully with fat.

Materials: Responding to Japanese Government- Rule
and to Lloyd's Register of Shipping.
220 Kagura Mon. 221 Noruki Mon

[illegible]