

HARIMA S.NO. 93. - " FUKKO MARU ".

The Description of the Cracked Parts on the Shaft Bracket.

A few minute surface cracks, each apparent length of which range from  $\frac{1}{8}$ " to  $\frac{3}{4}$ ", were incidently found on the positions shown on the accompanying sketches, just 3 days before the launching of the ship and we endeavoured to see what the nature and extent of the cracks were to be by grooving the places with caulking hammer up to the extent as mentioned below and fortunately found that there was no more crack extending further.

The extents of the grooves cut.

	Length	width	depth
Starboard side - A -	3"	$1\frac{3}{4}$ "	1"
- B -	$8\frac{1}{8}$ "	2"	1"
- C -	3"	$1\frac{3}{4}$ "	$\frac{3}{4}$ "
- D -	$8\frac{1}{8}$ "	$2\frac{1}{8}$ "	$\frac{3}{4}$ "
Port side --- - E -	$5\frac{1}{8}$ "	$1\frac{3}{4}$ "	1"
- F -	10"	$1\frac{3}{4}$ "	1".

Although the cracks are to be serious considering their positions, the injured extents are rather minute compared with the total area of that section, as clear in the accompanying sketches.

The Compensation of the Shaft Bracket.

We are intending to weld electrically the grooved portions with careful brushing and hammering and compensate the reduced strength by the means as shown on the accompanying plan.



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