

## BALANCED REACTION RUDDER

SPEED 11 KNOTS. RIGHT HANDED PROPELLER

SCALE  $\frac{1}{2}"$ ,  $1"$  &  $1\frac{1}{2}" = 1'-0"$

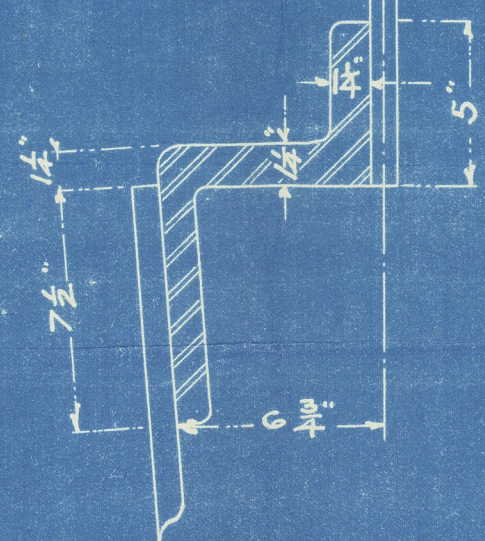
Buddar Arms shrinks on & keyed to post.  
Keys in Arms to be driven in from top, excepting  
Key in Top Arm of upper blade which is driven  
in from Bottom.  
Thickness of Keys 10% dia. of mainpiece in  
way of Arm with  $\frac{1}{8}$ " taper in depth of Arm.  
Breadth 20% of Mainpiece.

Rudder Stock of Forged Steel  
Mainpiece  
Rudder Arms - Cast Steel  
Pivots in rudder Arms 1 1/2" dia. spaced 4" dia apart  
Steel surfaces covered by sheathing to be coated with  
Bitumastic solution and enamel. Bitumastic felt  
to be fitted between Rudder plate and Timber

## BEVELS OF ARMS

### Looking Forward

SECTION XX  
2 LOOKING FOR



CURVATURE OF TIMBER &  
PROTECTION OF TIMBER AT NOSE & TAIL.

13, 1431. J.A.  
Corrected Sept. 15, 1931. J



S.S. 'Liverpool Maru'  
Balanced reaction rudder  
plan

Hak 117



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