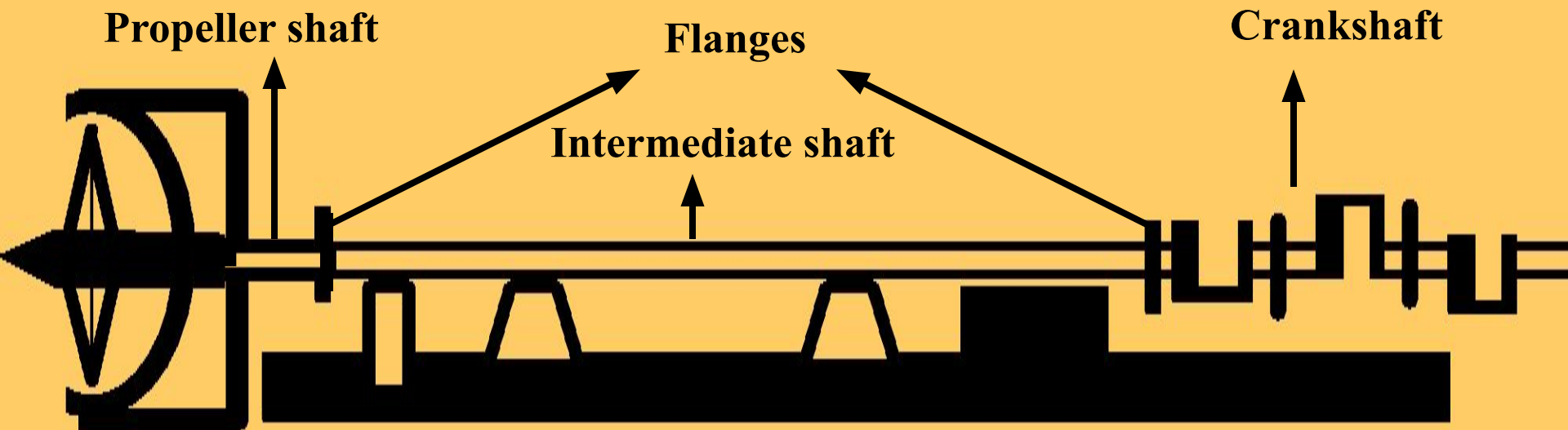
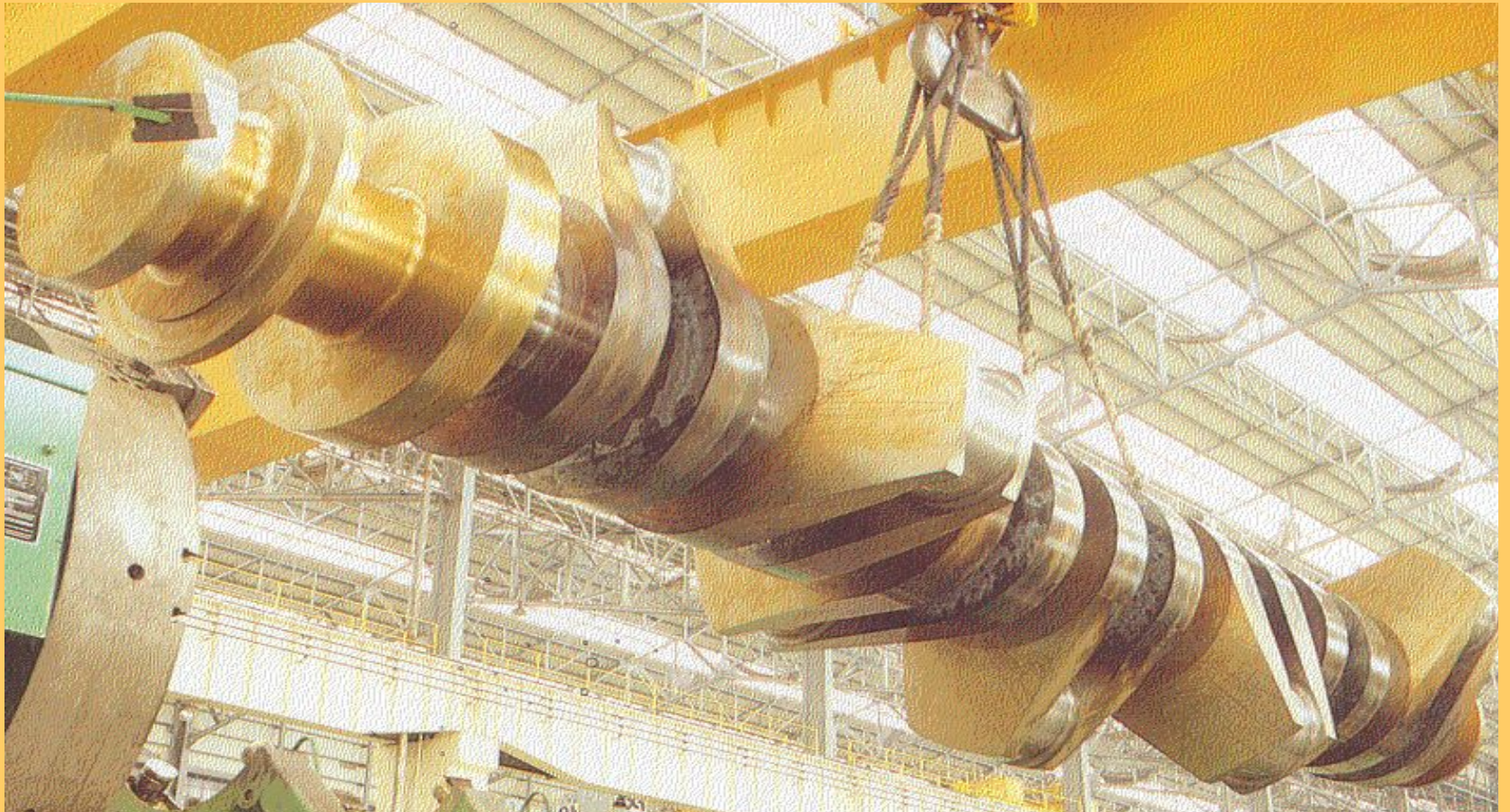




# The shaft

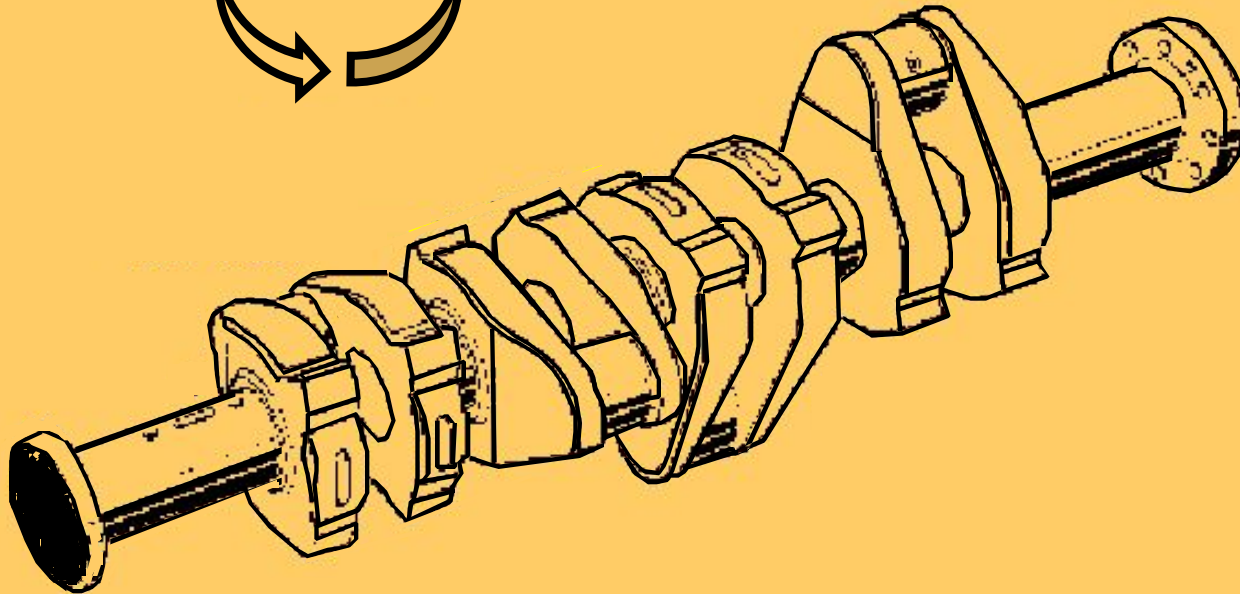
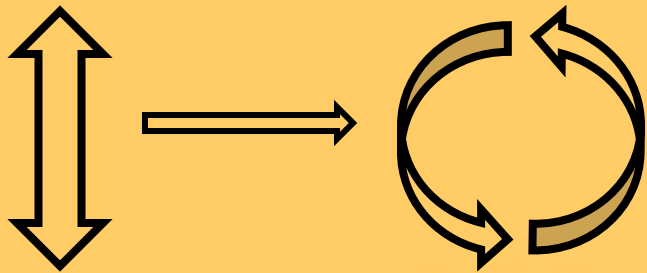
The shaft consists of the *crank shaft*,  
the *intermediate shaft* and the *propeller shaft*.  
They are connected to each other by means of *flanges*.



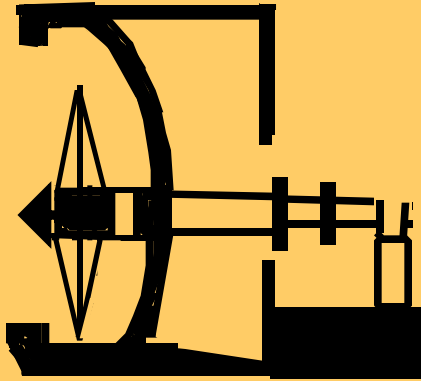


**The crank shaft is part of the engine.**

The *reciprocating motion* of the pistons must be changed into a *rotary motion* of the shaft.



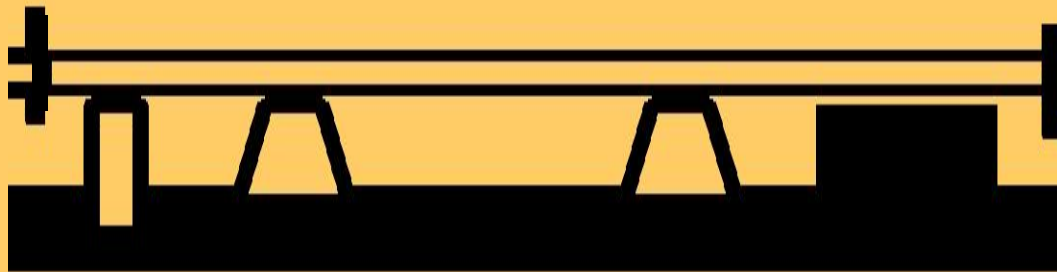
# The propeller shaft



**The end of the propeller shaft is *conical (tapered)* to make it easier to *mount* the propeller.**

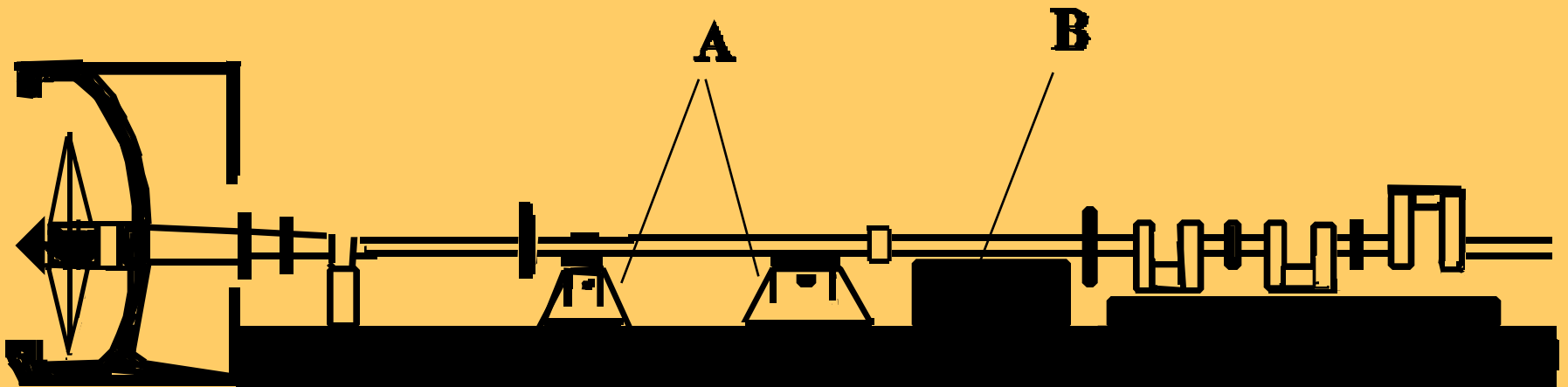
# The intermediate shaft

**The intermediate shaft is a *distance piece* between the crank shaft and the propeller shaft.**



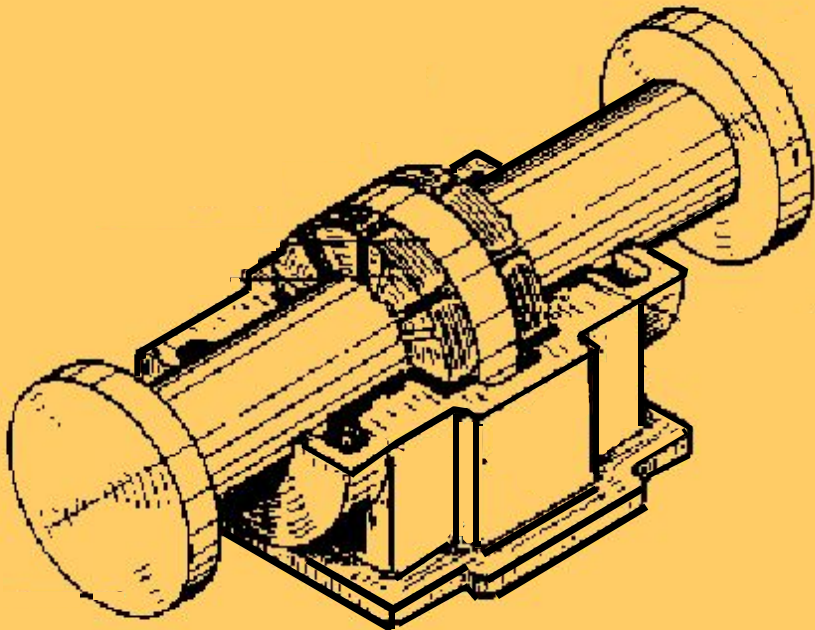
# Blocks

The shaft is supported by *bearing blocks (A)* and *thrust blocks (B)*.



# The thrust block

**The thrust block  
takes up the  
*propulsion forces*  
of the screw  
and *conveys* them  
to the *hull* of the ship.**





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**SHIPPING AND TRANSPORT COLLEGE ROTTERDAM**