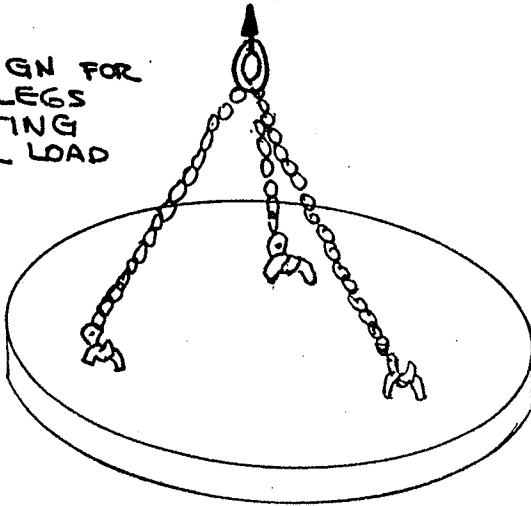


GARY K. MUNKELT, PE

Problem: WHAT LIFTING EQUIPMENT IS USED TO MOVE PRECAST CONCRETE PRODUCTS?

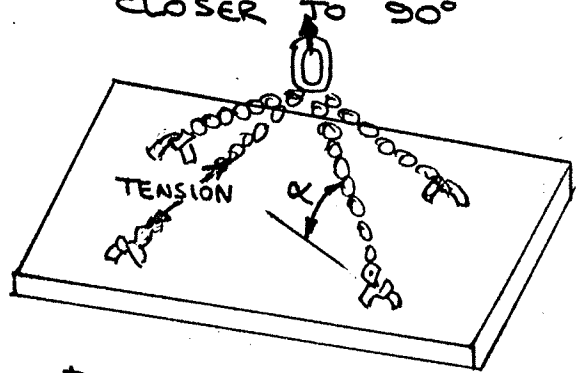
I. Hooks

DESIGN FOR
3 LEGS
LIFTING
TOTAL LOAD



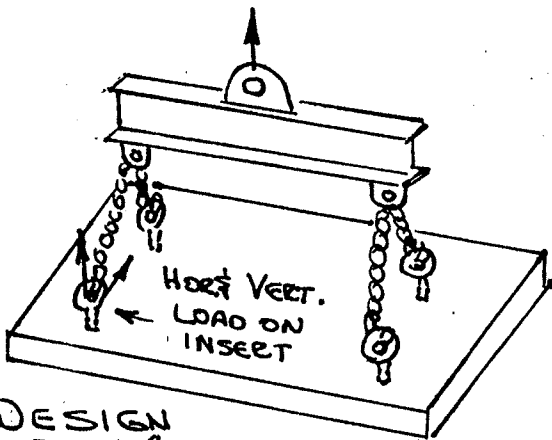
3 PART CHAIN/CABLE
fig 4-3A

ANGLE (α) BETWEEN CHAIN
AND CONCRETE SHOULD
BE BETWEEN 60° AND 90°
TENSION IN CHAIN IS
SMALLER AS α GETS
CLOSER TO 90°



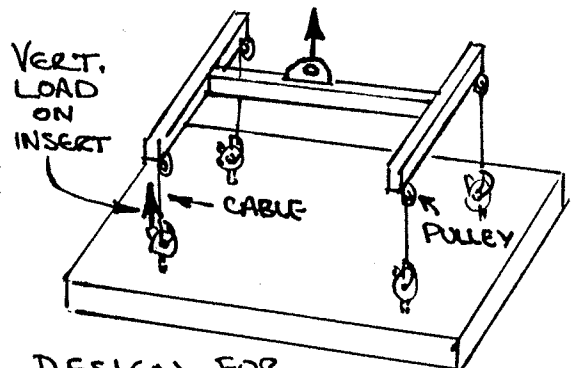
DESIGN FOR
TOTAL LOAD TO BE CARRIED
BY 2 LEGS TO COMPENSATE
FOR ONE LEG BEING SHORT

4 PART CHAIN/CABLE
fig. 4-3B



DESIGN
FOR 4 LEGS
LIFTING TOTAL LOAD

LIFT BAR (2 PT. PICK)
fig 4-3C



DESIGN FOR
4 LEGS LIFTING
TOTAL LOAD

LIFT BAR (4 PT. PICK)
fig 4-3D