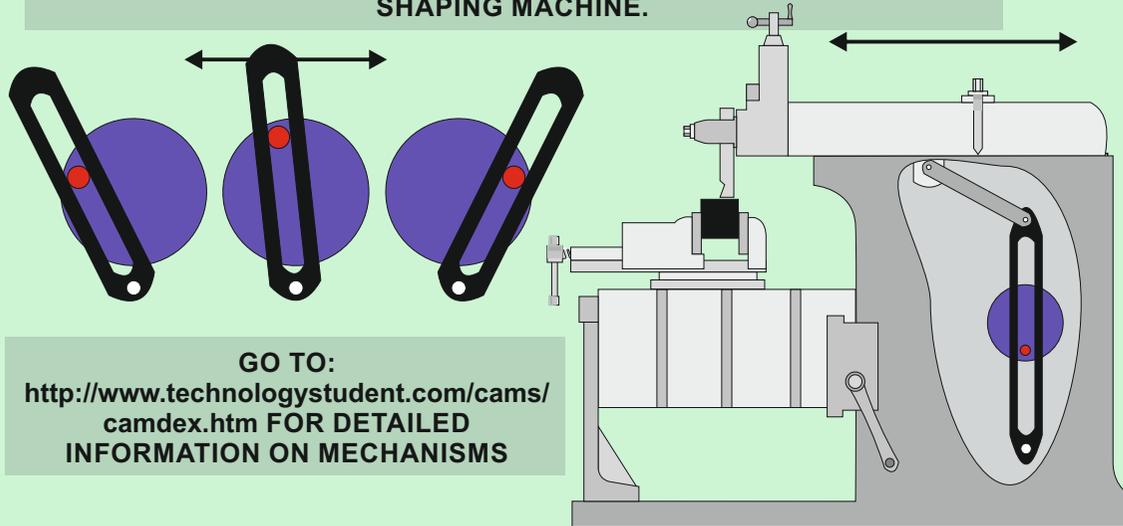


## QUICK RETURN MECHANISM

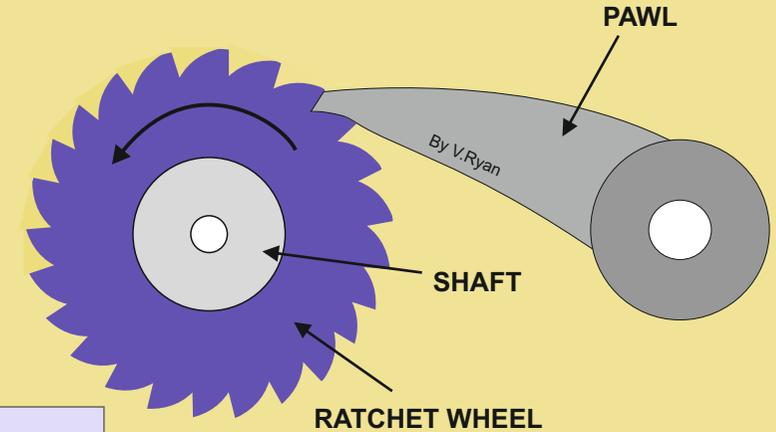
A QUICK RETURN MECHANISM CONVERTS ROTARY MOTION INTO RECIPROCATING MOTION. AS THE DISC ROTATES THE SLIDE MOVES FORWARDS AND BACKWARDS. THIS MECHANISM IS USED INSIDE A SHAPING MACHINE.



GO TO:  
<http://www.technologystudent.com/cams/camdex.htm> FOR DETAILED INFORMATION ON MECHANISMS

## RATCHET MECHANISM

A RATCHET MECHANISM IS BASED ON A WHEEL THAT HAS TEETH AND A PAWL THAT FOLLOWS AS THE WHEEL TURNS. AS THE RATCHET WHEEL TURNS, THE PAWL FALLS INTO THE 'DIP' BETWEEN THE TEETH. THE RATCHET WHEEL CAN ONLY TURN IN ONE DIRECTION - IN THIS CASE ANTICLOCKWISE.



## CRANK SHAFT

A CRANK ACTS LIKE A LEVER, INCREASING MECHANICAL ADVANTAGE

ROTARY TO LINEAR MOTION

