

CLASSIC BOYS LIFE SERIES

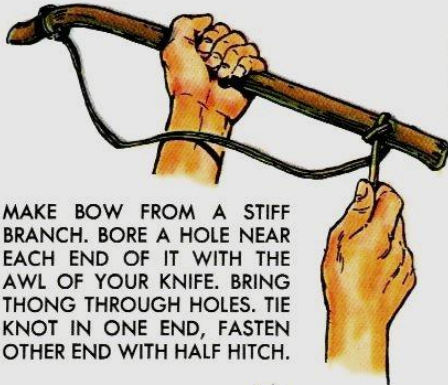
FIRE BY FRICTION



MAKE A SPINDLE $\frac{3}{4}$ " TO 1" IN DIAMETER, ABOUT 10" LONG. WHITTLE IT ROUGHLY OCTAGONAL. ROUND ONE END, POINT THE OTHER.



THE HEAD BLOCK IS MADE OF HARDWOOD AND HAS HOLLOW FOR HOLDING UPPER END OF SPINDLE. REDUCE FRICTION WITH SOAP.



MAKE BOW FROM A STIFF BRANCH. BORE A HOLE NEAR EACH END OF IT WITH THE AWL OF YOUR KNIFE. BRING THONG THROUGH HOLES. TIE KNOT IN ONE END, FASTEN OTHER END WITH HALF HITCH.

THE FIRE BOARD IS ABOUT $\frac{3}{4}$ " THICK, 3" WIDE, 15" LONG, OR LONGER. CUT A NUMBER OF NOTCHES ALONG THE EDGE, ABOUT 1" DEEP. GOUGE OUT CIRCULAR HOLLOW TO FIT BOTTOM END OF SPINDLE.

WHEN AN EMBER HAS FORMED, KNOCK IT FROM FIRE BOARD INTO SHREDDED CEDAR BARK.



TWIST BOWSTRING ONCE TIGHTLY AROUND THE SPINDLE. HOLD FIRE BOARD STEADY ON GROUND WITH ONE FOOT. PLACE ONE END OF THE SPINDLE IN A HOLLOW ON FIRE BOARD. PLACE HEAD BLOCK OVER TOP END OF SPINDLE. PRESS DOWN ON HEAD BLOCK WHILE MOVING BOW FROM SIDE TO SIDE. KEEP YOUR LEFT WRIST FIRMLY AGAINST LEFT LEG. AS SMOKE RISES, PRESS HARDER.



BEST TINDER FOR MAKING FIRE IS DRY CEDAR BARK.

FOLD CEDAR BARK AROUND THE EMBER. BLOW EMBER INTO FLAME WITH YOUR MOUTH, OR SWING THROUGH THE AIR UNTIL THE BARK BURSTS INTO FLAME.