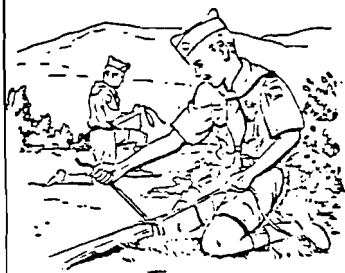


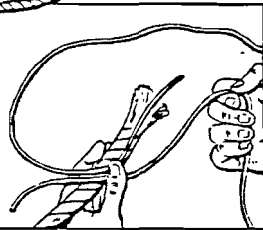
KNOW YOUR KNOTS

AND HOW TO USE THEM

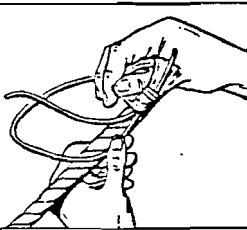
YOU CAN TELL AN OUTDOORSMAN BY HIS ABILITY TO TIE THE RIGHT KNOT AT THE RIGHT TIME. A SCOUT KNOWS SEVERAL KNOTS AND THE PURPOSE OF EACH. HE CAN TIE THEM IN THE DARK OR IN THE DAYLIGHT...HERE ARE THE TESTS OF A GOOD KNOT: 1. SERVES ITS PURPOSE. 2. HOLDS UNTIL UNTIED. 3. EASILY TIED. 4. EASILY UNTIED...TIPS ON KNOT-TYING: USE A SIX-FOOT PIECE OF 1/4 OR 1/2 INCH ROPE—NOT TWINE OR STRING! PRACTICE TYING EACH KNOT IN THE SITUATION IN WHICH IT WILL BE USED.



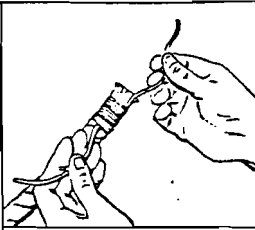
BEFORE TYING KNOTS
LEARN HOW TO
WHIP
A ROPE TO KEEP IT
FROM UNRAVELING



MAKE A LOOP OF TWINE AND PLACE AT END OF ROPE.



WRAP TWINE TIGHTLY AROUND ROPE STARTING 1/4 INCH FROM ROPE END.



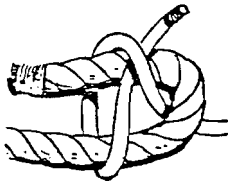
WHEN WHIPPING IS AS WIDE AS ROPE IS THICK, PULL OUT ENDS HARD. TRIM OFF TWINE CLOSE TO WHIPPING.



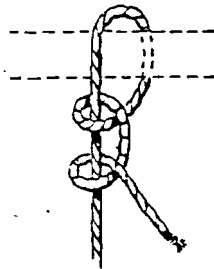
THESE ARE SOME USEFUL KNOTS



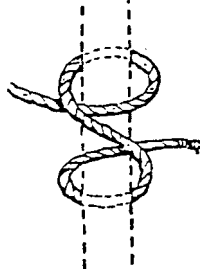
SQUARE KNOT
FOR TYING ROPES OF EQUAL THICKNESS. VERY USEFUL IN FIRST AID.



SHEET BEND
FOR JOINING TWO ROPES TOGETHER OF DIFFERENT THICKNESS.



TWO HALF HITCHES
FOR TYING A ROPE TO A POLE OR RING.



CLOVE HITCH
FOR SECURING BOATS—FOR LASHINGS.

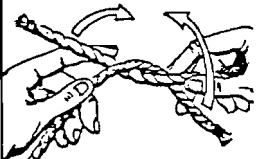


BOWLINE
FOR FORMING A LOOP THAT WON'T SLIP UNDER STRAIN. EASILY UNTIED.

TAUTLINE HITCH
FORMS A LOOP WHICH WILL NOT SLIP WHEN ROPE IS TIGHT.

HERE'S HOW TO TIE THEM

SQUARE KNOT

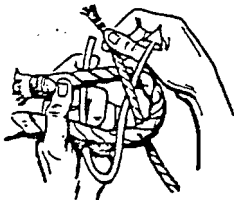


TWIST LEFTHAND ROPE END OVER, BEHIND, UNDER RIGHT HAND ROPE.

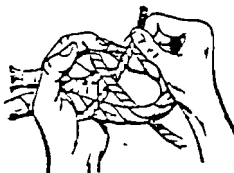


AGAIN TWIST SAME END AS BEFORE... OVER, BEHIND, UNDER. LEFT OVER RIGHT—RIGHT OVER LEFT!

SHEET BEND

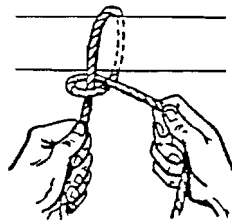


FORM A BIGHT (LOOP) ON THE HEAVIER ROPE. BRING OTHER LINE END THROUGH LOOP, TWIST IT OVER AND UNDER LOOP.

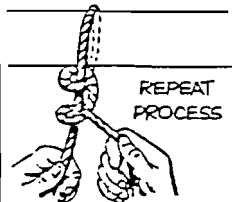


THEN BRING SMALL LINE IN UNDER ITSELF.

TWO HALF HITCHES

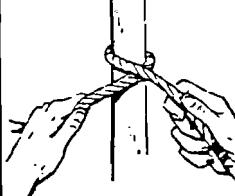


PASS ROPE AROUND POLE. CARRY ROPE END OVER AND UNDER AND THROUGH LOOP THUS FORMED.

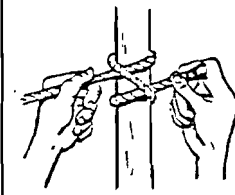


REPEAT PROCESS

CLOVE HITCH

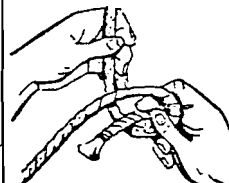


BRING ROPE END AROUND POLE, LAY IT OVER THE ROPE ITSELF.

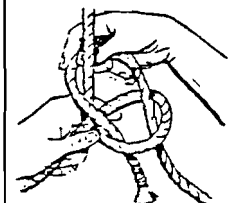


BRING END ONCE MORE AROUND POLE. CARRY END UNDER THE ROPE ITSELF.

BOWLINE

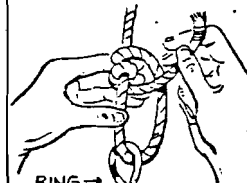


HOLDING ROPE WITH FINGERS ON TOP, PLACE END ON STANDING PART. TWIST YOUR HAND, CARRYING END AROUND TO FORM LOOP.



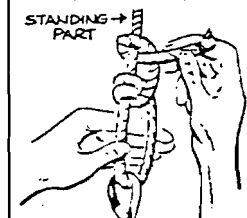
BRING END AROUND ROPE DOWN THROUGH LOOP.

TAUTLINE HITCH



RING → PASS ROPE THROUGH RING.

CARRY ROPE END AROUND STANDING PART TWICE AND THROUGH LOOP THUS FORMED.



REPEAT PROCESS ONCE AND PULL TIGHT.