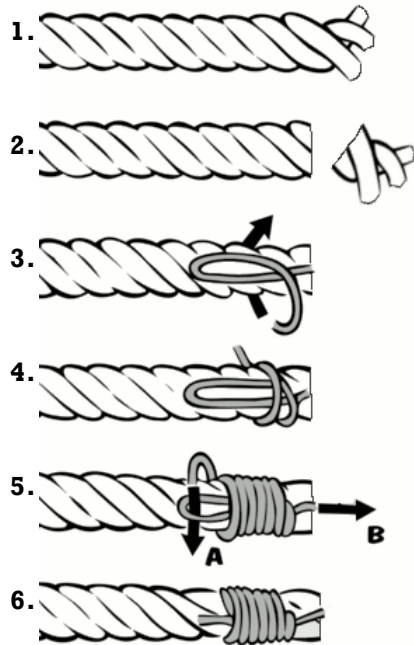


Stop a Rope Line from Unraveling

Natural-fiber rope.

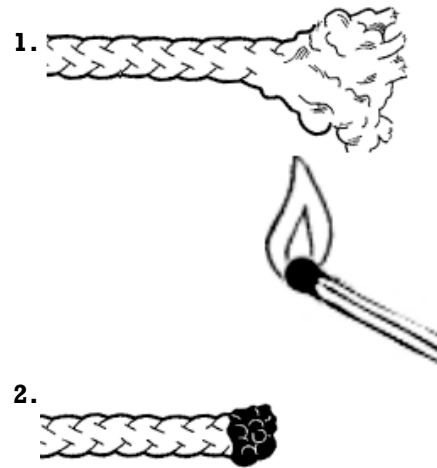
Common Whipping Knot



See: http://en.wikipedia.org/wiki/Common_whipping

Artificial-fiber rope.

Heat Fusing



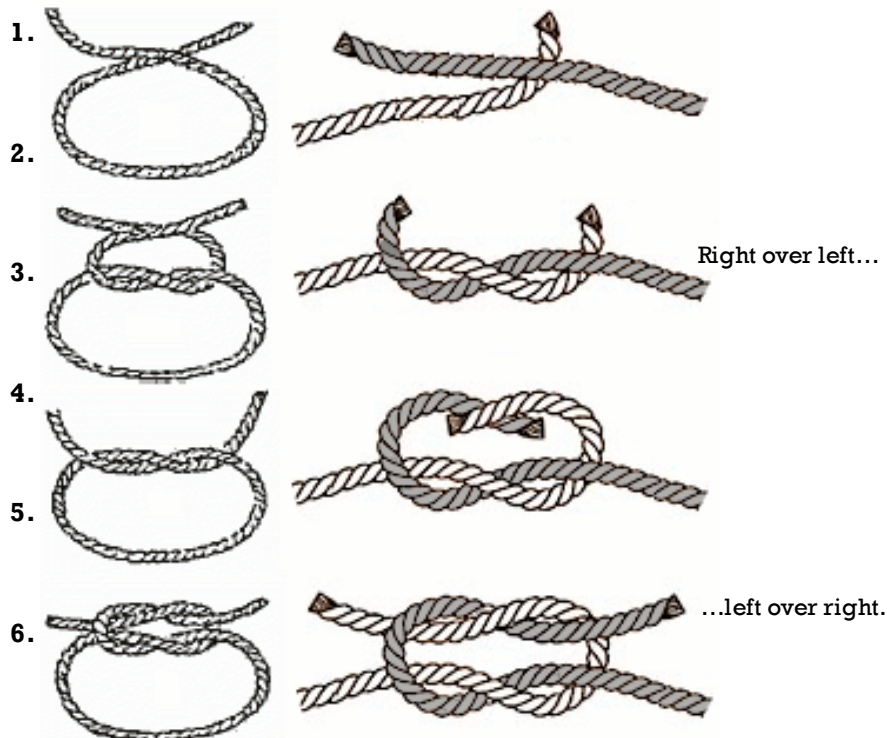
See: The Boy Scout Handbook, pg. 34

Bind an Object

Using a single line.

Square Knot

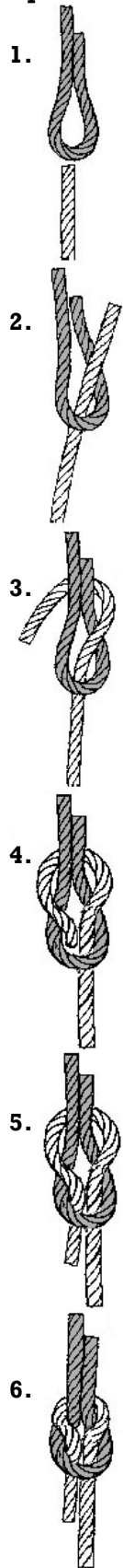
Knot detail view



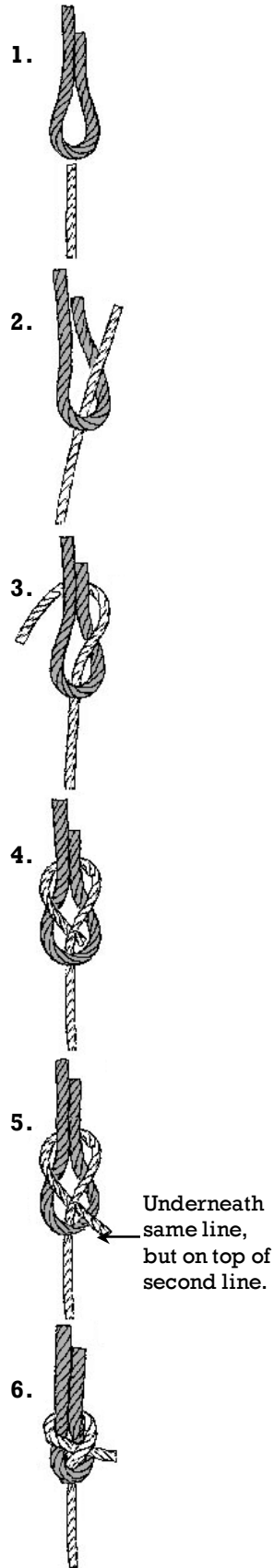
Join Two Lines

Lines of same diameter. Lines of different diameters.

Square Knot



Sheet Bend

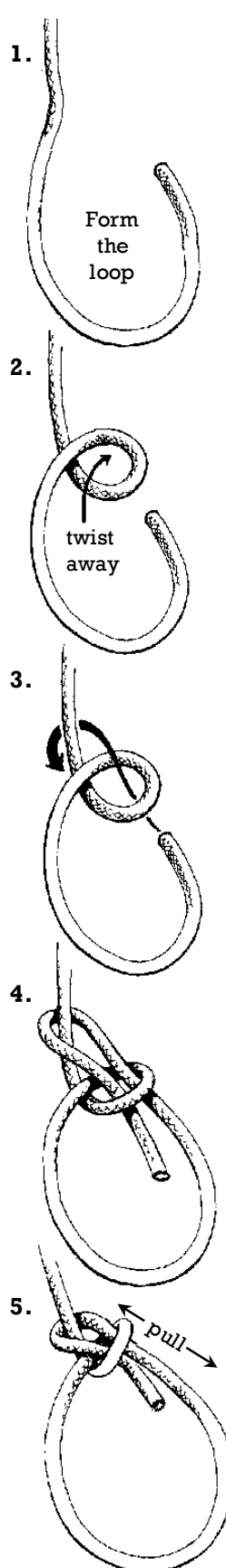


See: <http://www.ropeworks.biz/archive/sheben.html>

Tie a Loop at the End of a Line

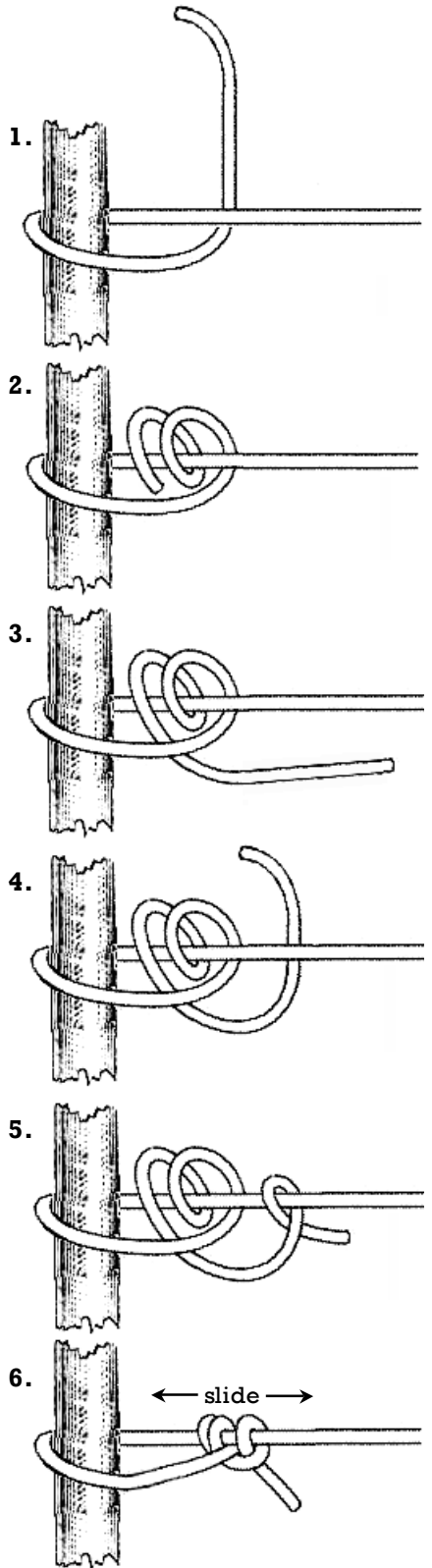
A fixed size loop.

Bowline



An adjustable size loop.

Taut-line Hitch

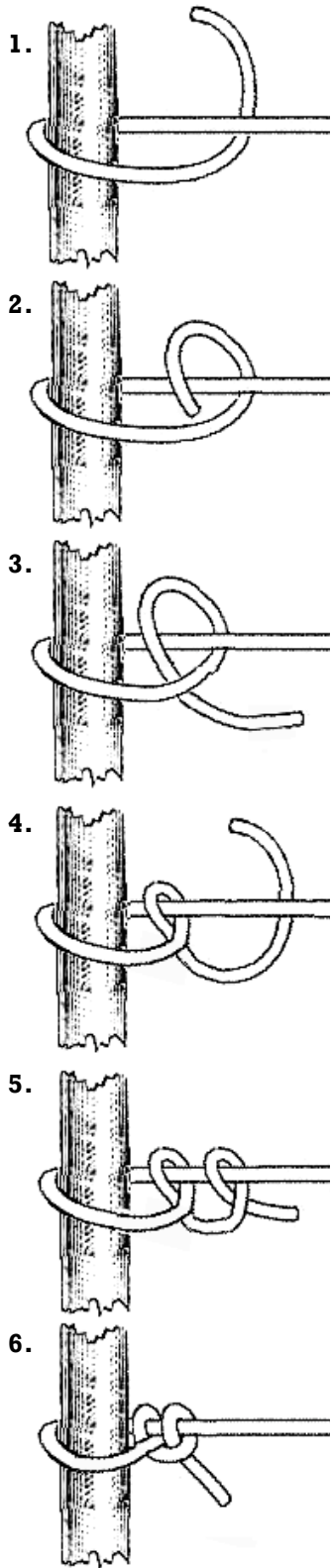


Tie a Line to a Post or Ring

Holds a line in one direction.

Two Half Hitches

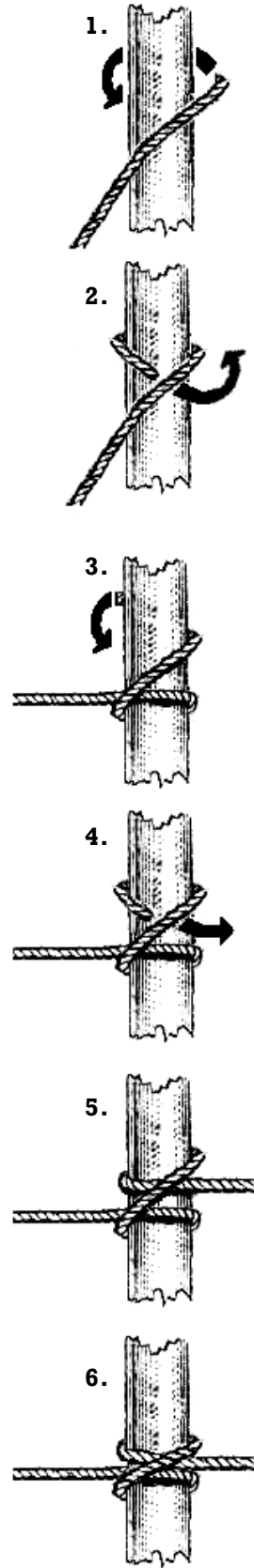
Knot does not adjust



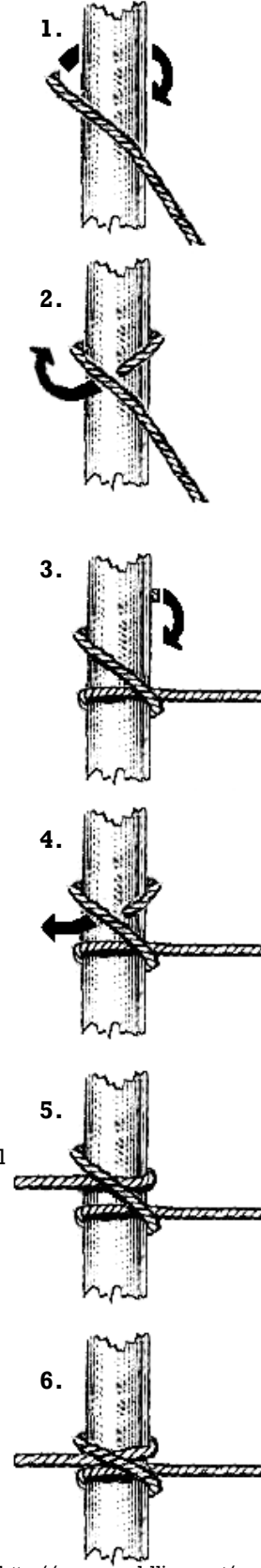
Holds a line in two directions.

Clove Hitch

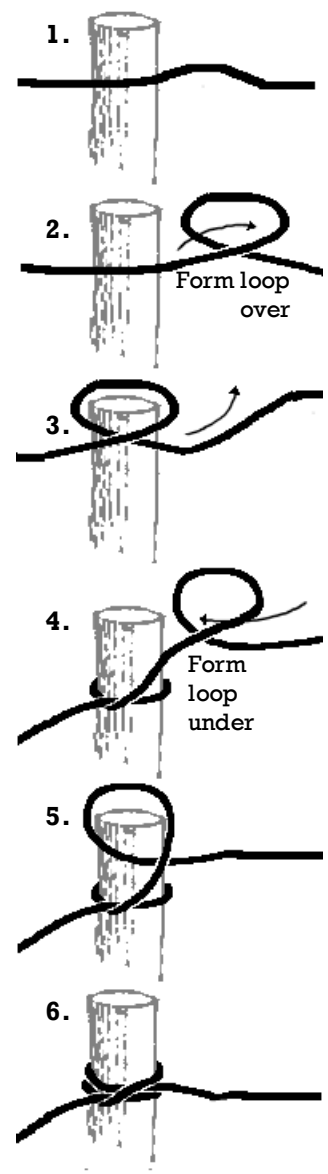
Option 1:
Bottom-up, left to right -
terminating line.



Option 2:
Bottom-up, right to left -
terminating line.



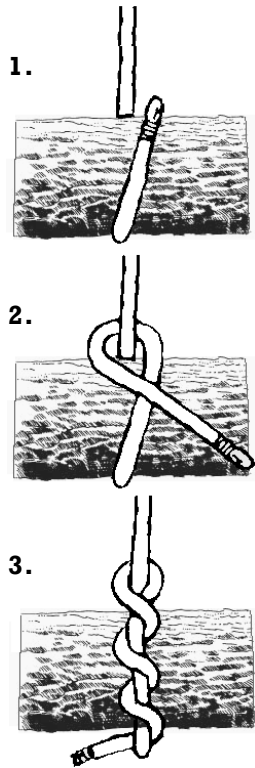
Option 3:
Looping line over the
end of a post.



Tie a Line to a Piece of Wood

Knot is intentionally difficult to undo.

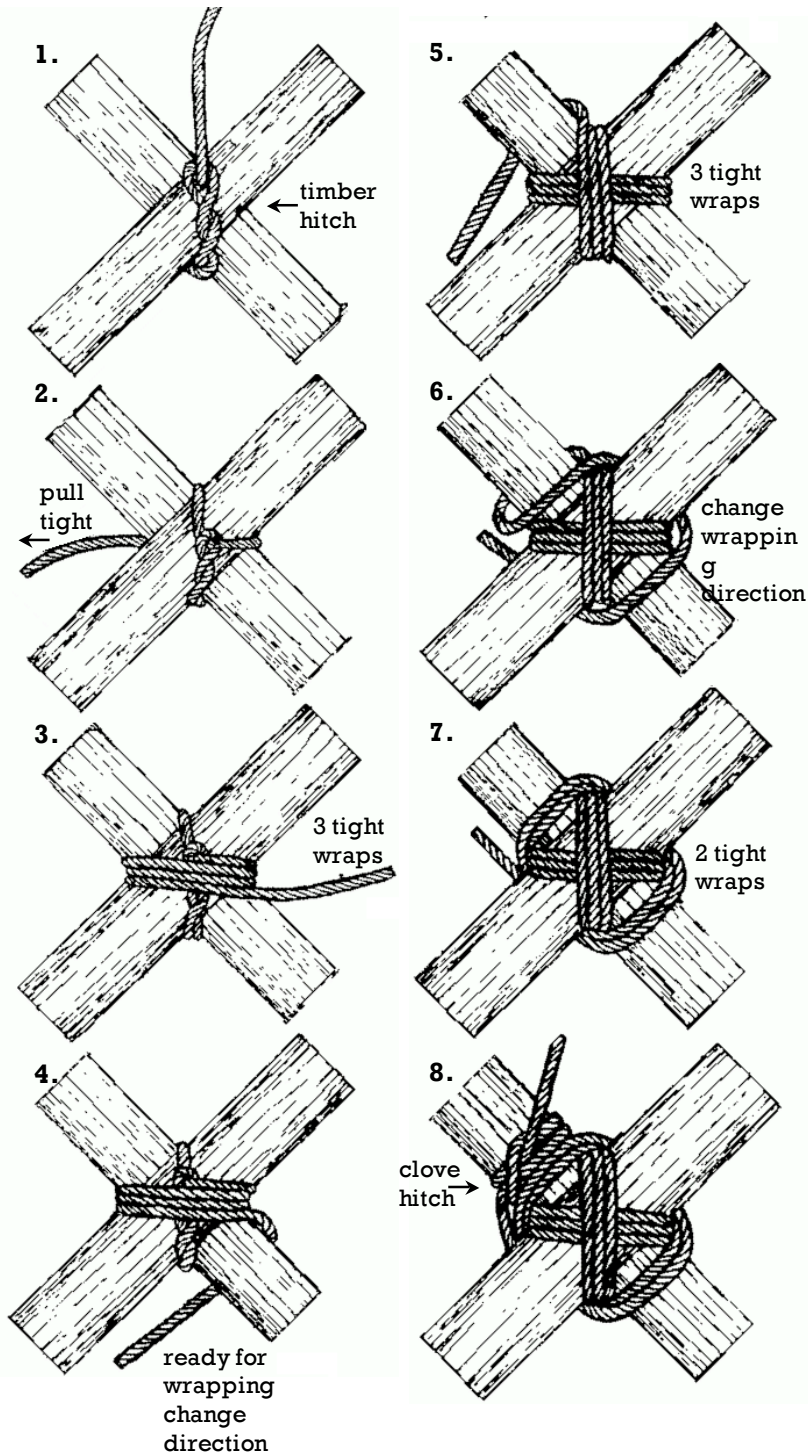
Timber Hitch



Lash Two Poles at a 45° to 90° Angle

Use at 90° only if gap exists between poles.

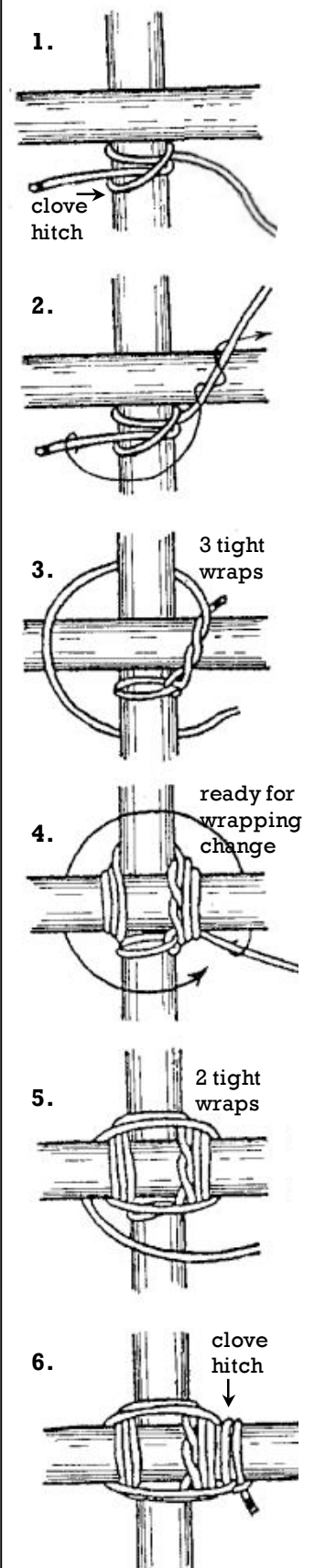
Diagonal Lashing



Lash Two Poles at a 90° Angle

Stronger than diagonal lashing.

Square Lashing



Lash Two Poles at a 0° to 45° Angle

Form a flexible joint to allow a scissors-leg motion.

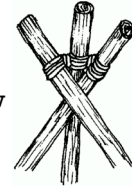


Shear Lashing

1. clove hitch
- 2.
- 3.
4. 4 winding wraps around poles
5. change wrapping direction
6. 3 tight wraps between poles
7. clove hitch
8. clove hitch

Lash Three Poles Together

Form a flexible joint to allow a pyramid-leg bending.



Tripod Lashing

1. clove hitch
- 2.
- 3.
4. 4 winding wraps around poles
5. change wrapping direction
6. 3 tight wraps between pole 1 and pole 2
- 7.
8. 3 tight wraps between pole 2 and pole 3
9. clove hitch
10. clove hitch