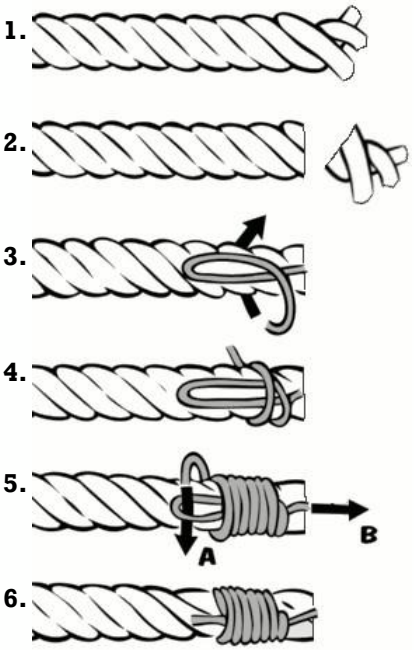
Stop a Rope Line from Unraveling

Natural-fiber rope.

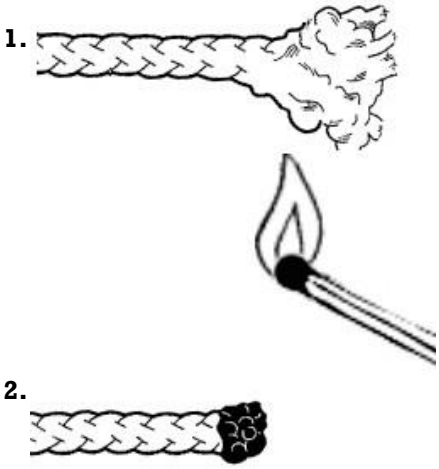
Common Whipping Knot



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

Artificial-fiber rope.

Heat Fusing



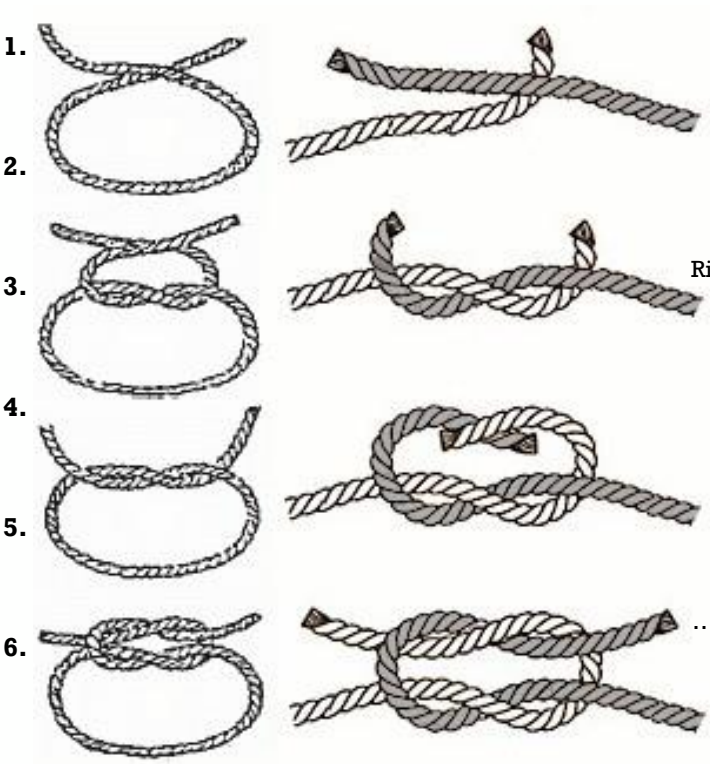
See: The Boy Scout Handbook, pg. 34

Bind an Object

Using a single line.

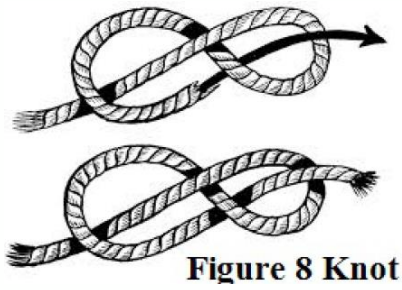
Square Knot

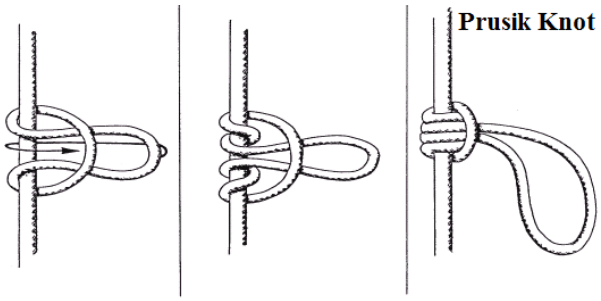
Knot detail view



Right over left…

…left over right.

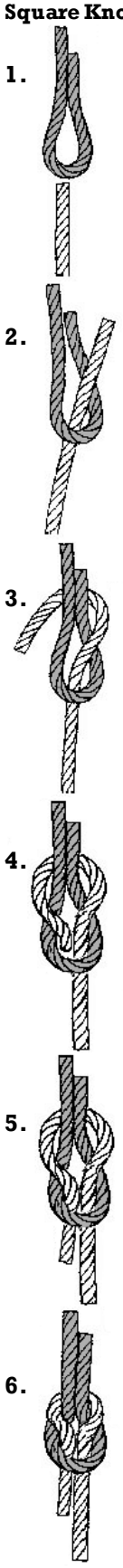




Join Two Lines

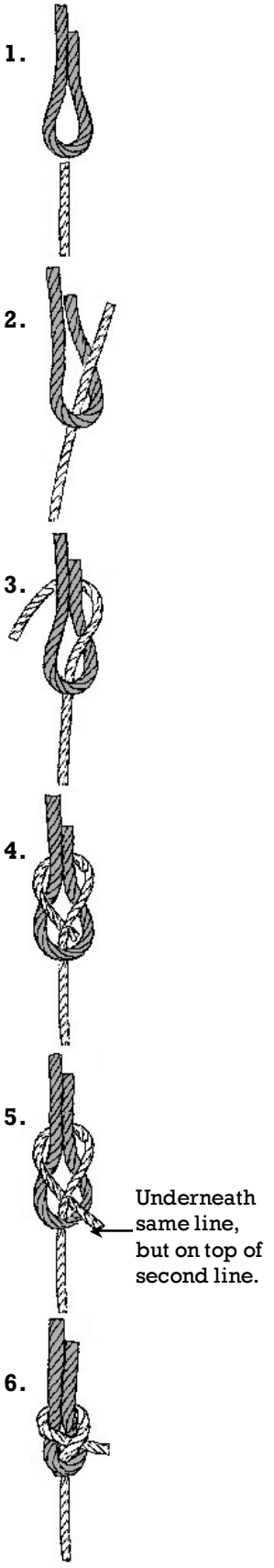
Lines of same diameter.

Square Knot



Lines of different diameters.

Sheet Bend

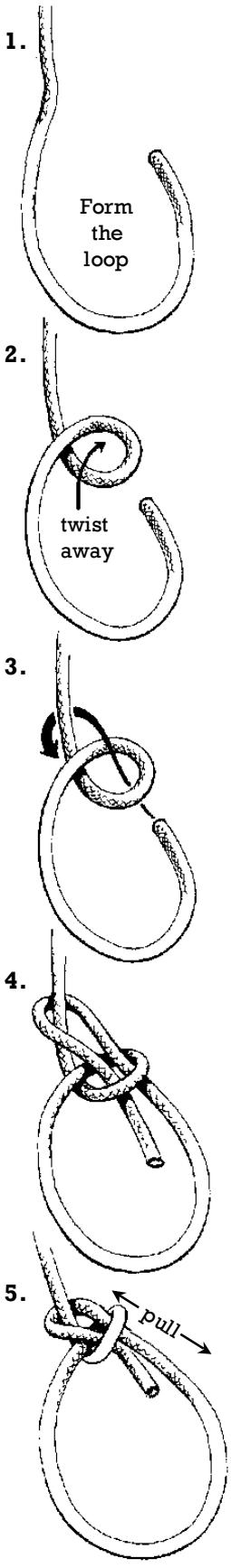


See: http://www.ropeworks.biz/archive/sheben.html

Tie a Loop at the End of a Line

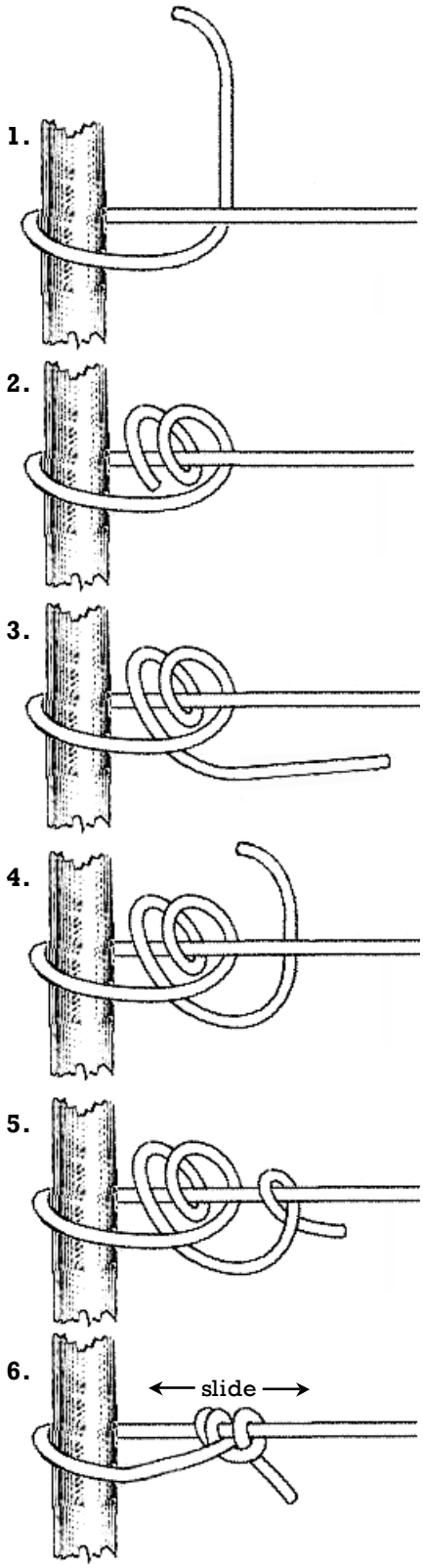
A fixed size loop.

Bowline



An adjustable size loop.

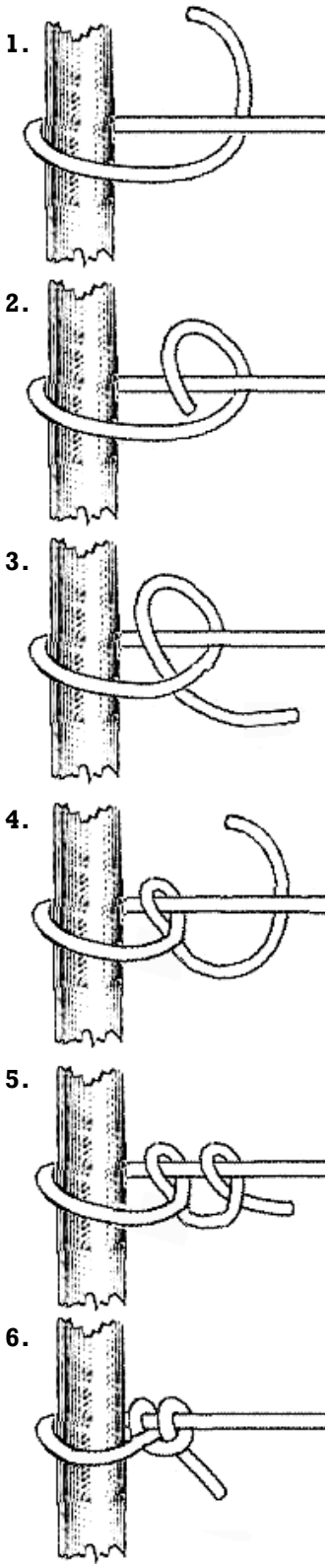
Taut-line Hitch



Tie a Line to a Post or Ring

Holds a line in one direction.

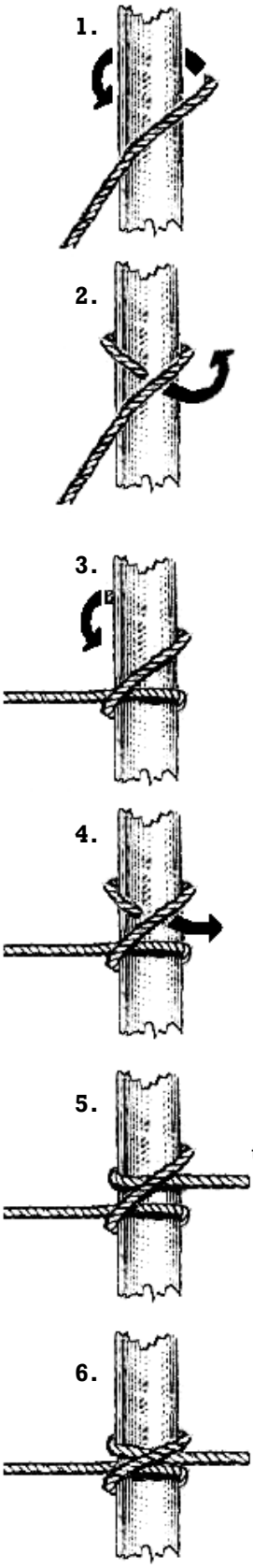
Two Half Hitches
Knot does not adjust



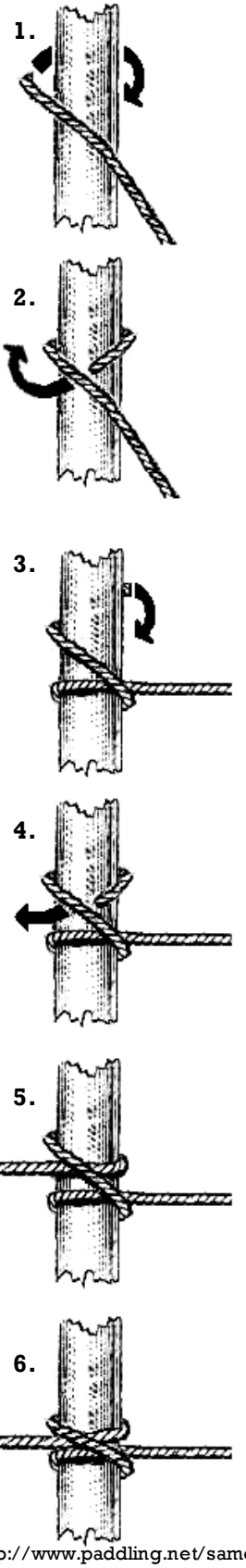
Holds a line in two directions.

Clove Hitch

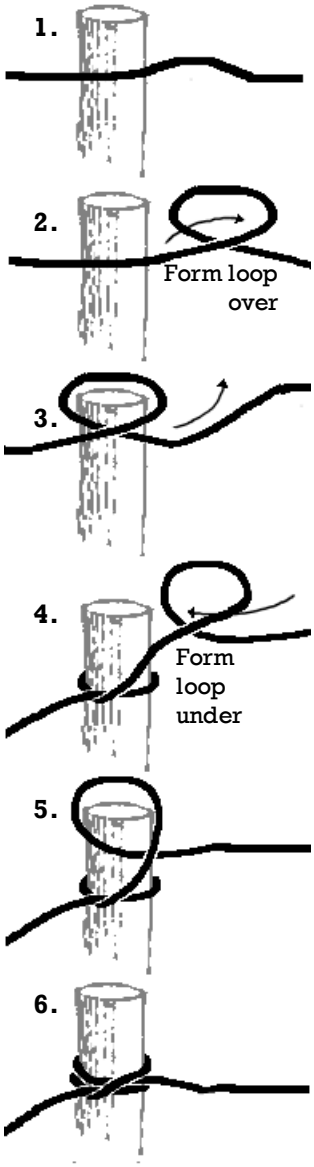
Option 1:
Bottom-up, left to right - terminating line.



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



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

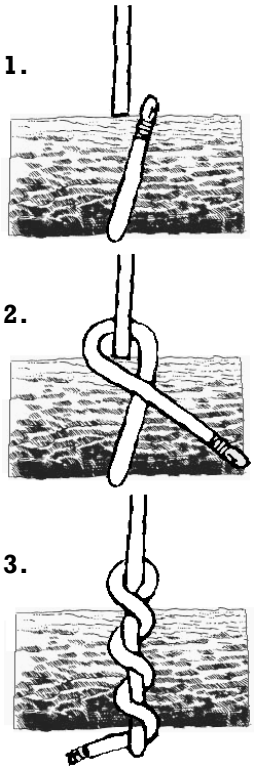


See: http://www.paddling.net/sameboat/archives/sameboat219.html

Tie a Line to a Piece of Wood

Knot is intentionally difficult to undo.

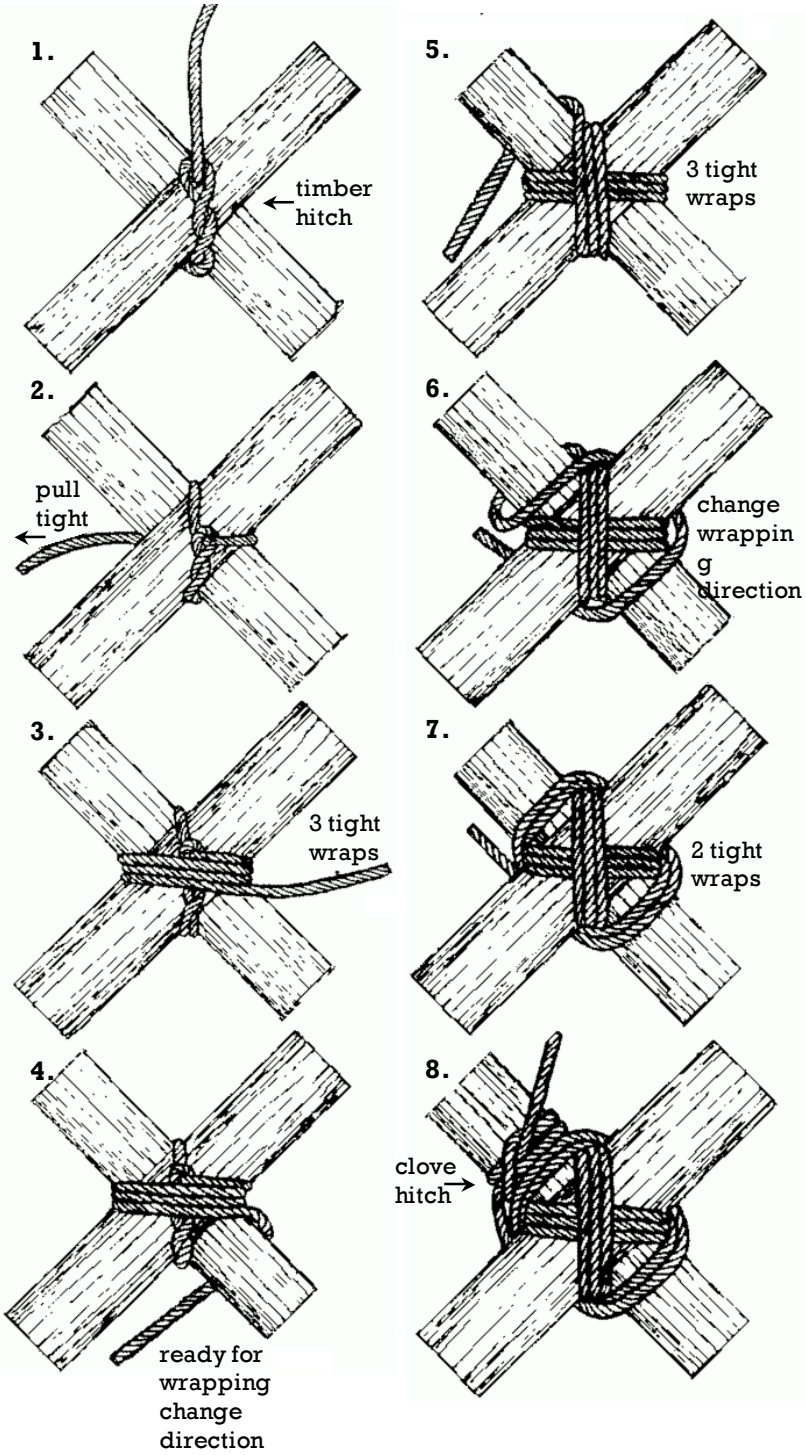
Timber Hitch



Lash Two Poles at a 45° to 90° Angle

Use at 90° only if gap exists between poles.

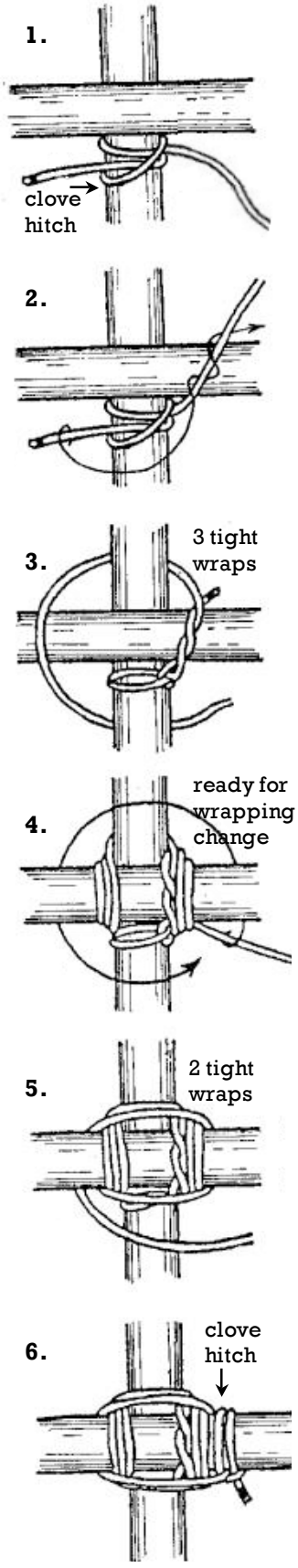
Diagonal Lashing



Lash Two Poles at a 90° Angle

Stronger than diagonal lashing.

Square Lashing



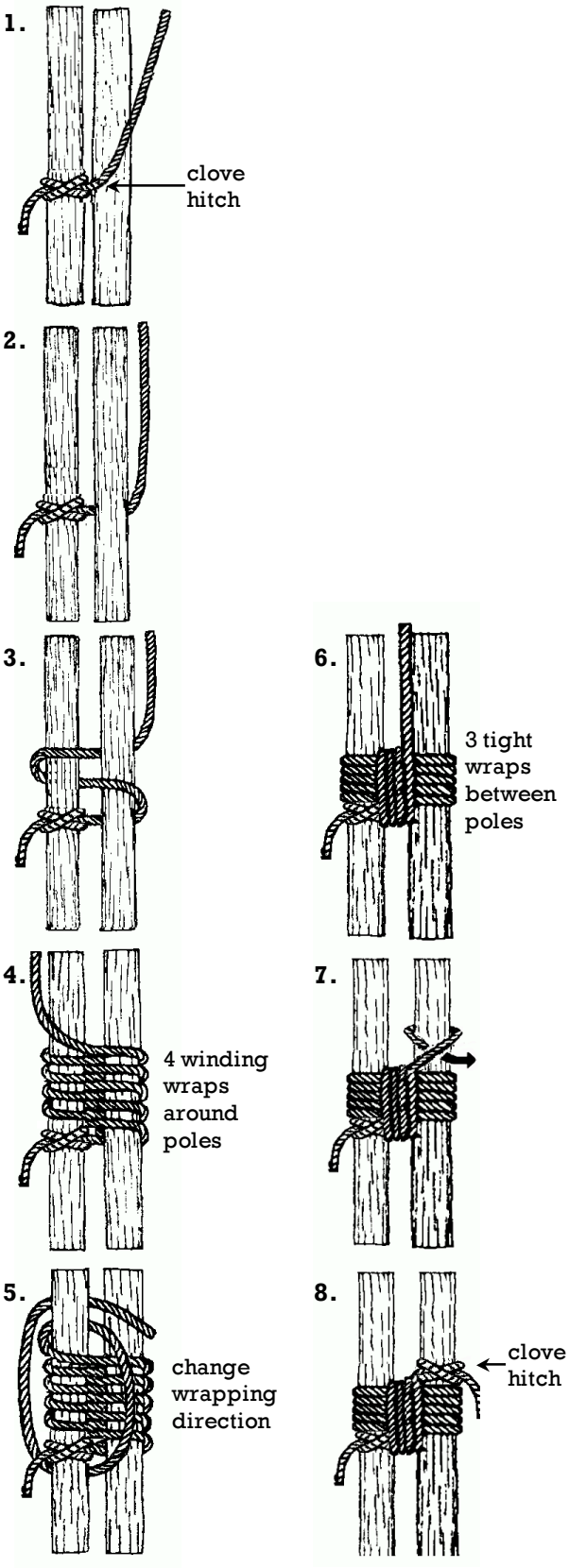
See: http://www.ropeworks.biz/archive/daglas1.html

Lash Two Poles at a 0° to 45° Angle

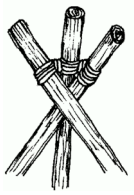


Form a flexible joint to allow a scissors-leg motion.

Shear Lashing

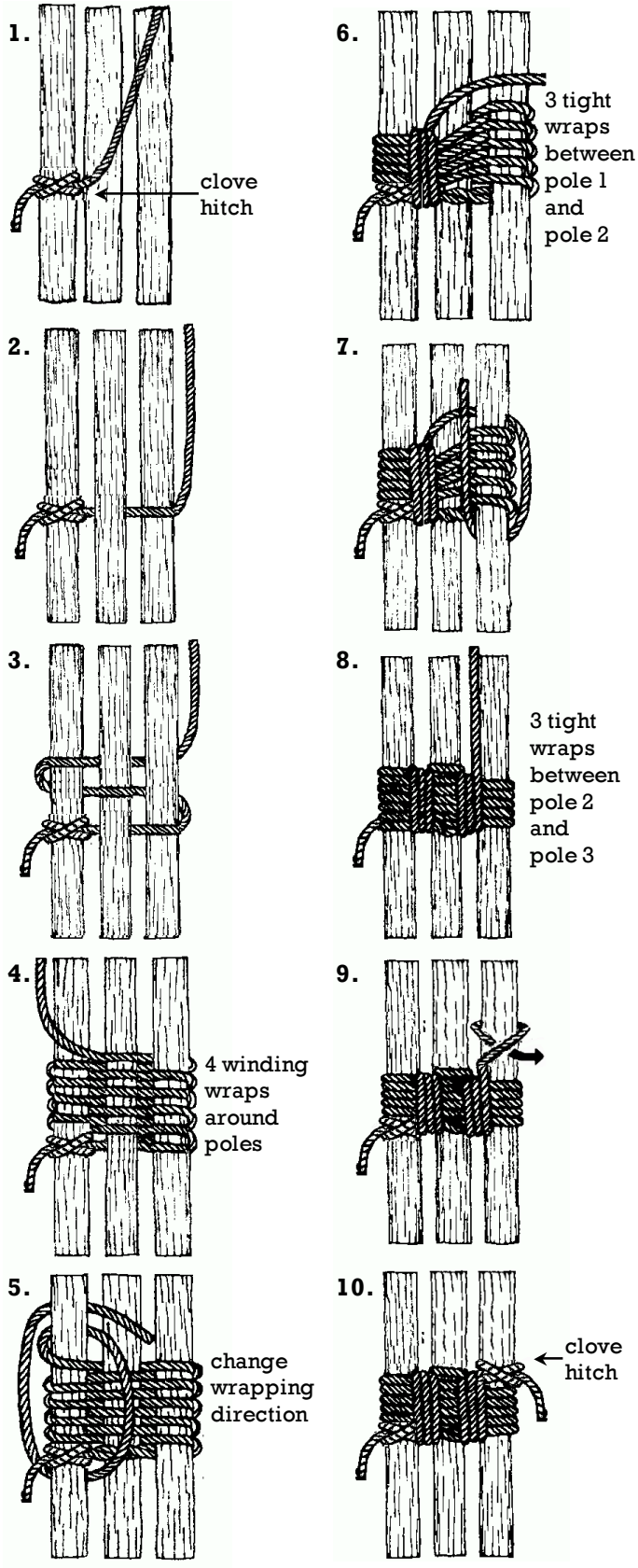


Lash Three Poles Together



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

Tripod Lashing



See: http://www.ropeworks.biz/archive/tripod.html