Stop a Rope Line from Unraveling

Natural-fiber rope.

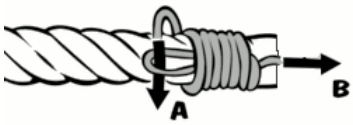
Common Whipping Knot

1.

2.

3.

4.

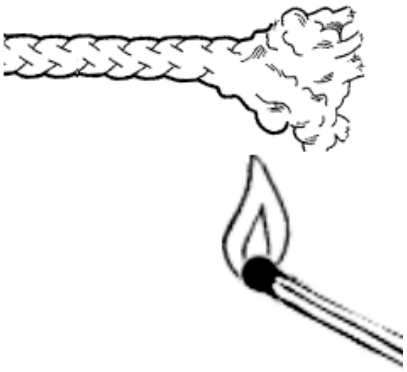
5.


6.

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

Artificial-fiber rope.

Heat Fusing

1.


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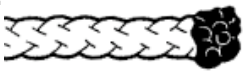


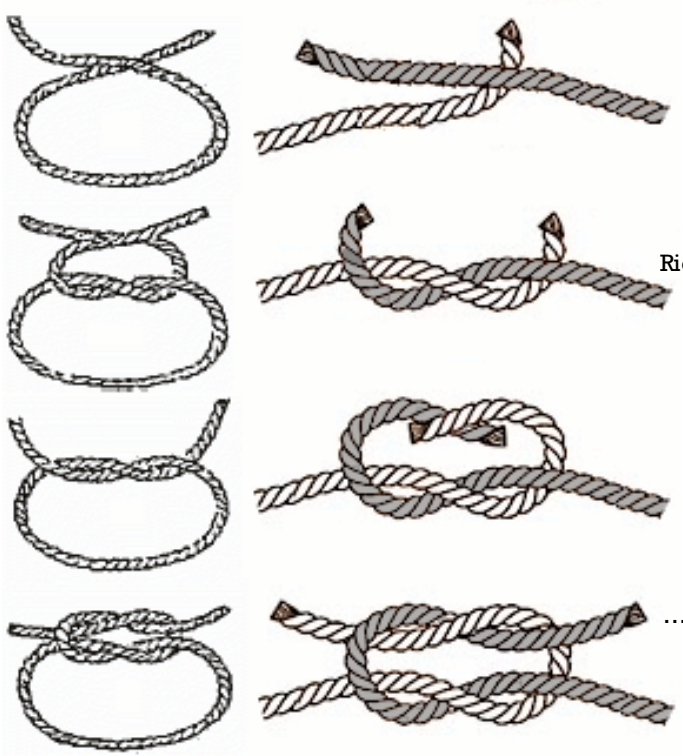
See: The Boy Scout Handbook, pg. 34

Bind an Object

Using a single line.

Square Knot

Knot detail view

1.


2.

3.

Right over left…

4.

5.

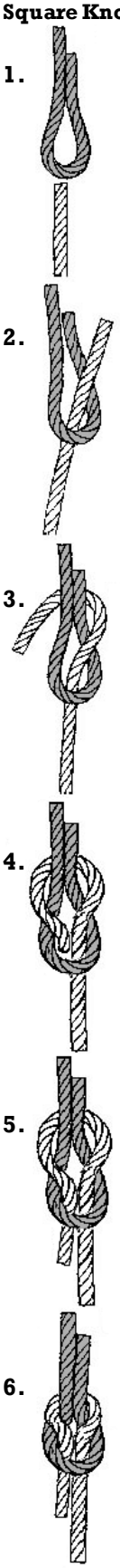
6.

…left over right.

Join Two Lines

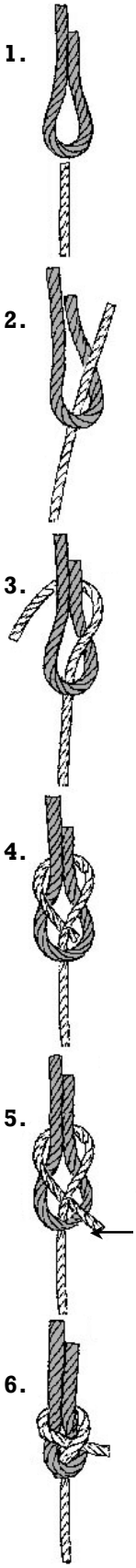
Lines of same diameter.

Square Knot



Lines of different diameters.

Sheet Bend

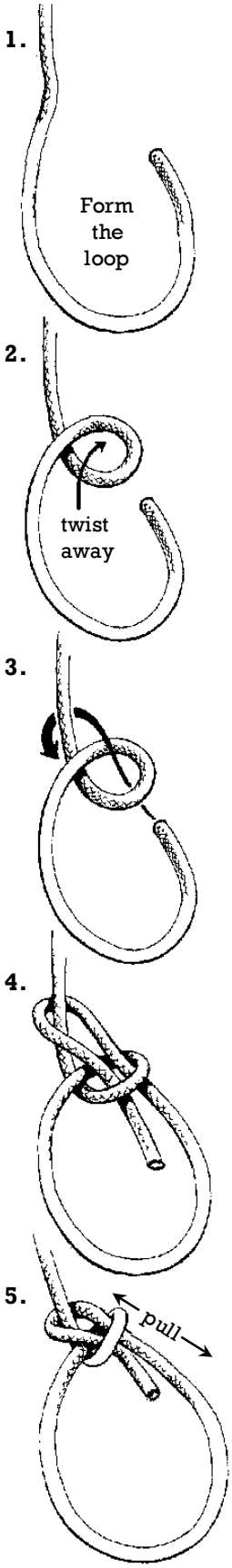


See: http://www.ropeworks.biz/archive/sheben.html

Tie a Loop at the End of a Line

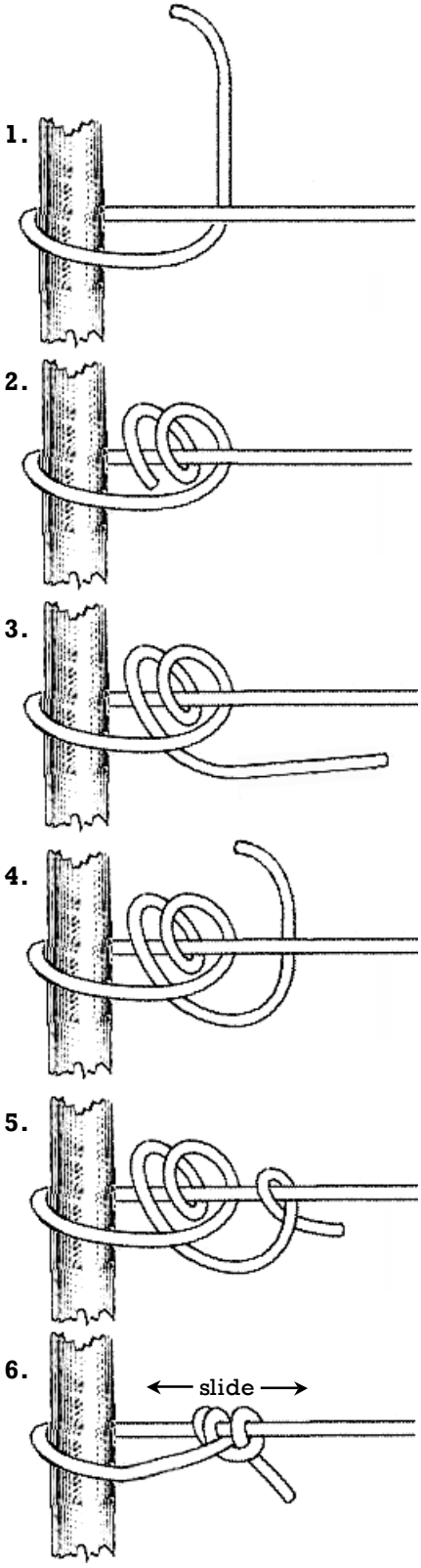
A fixed size loop.

Bowline



An adjustable size loop.

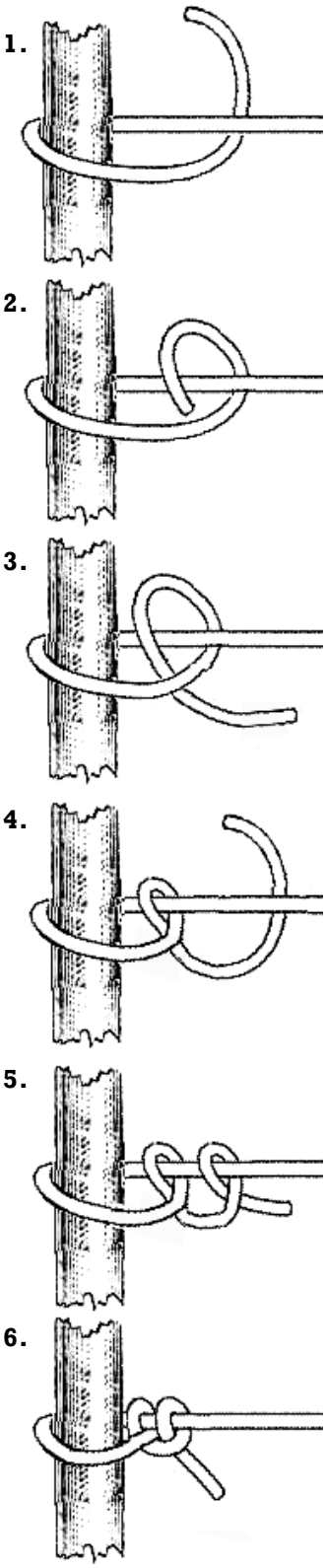
Taut-line Hitch



Tie a Line to a Post or Ring

Holds a line in one direction.

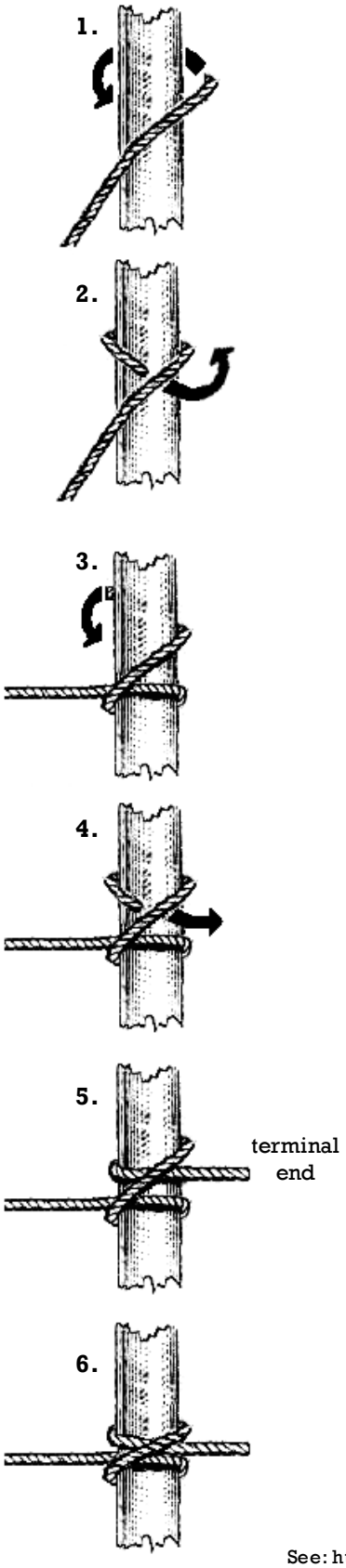
Two Half Hitches
Knot does not adjust



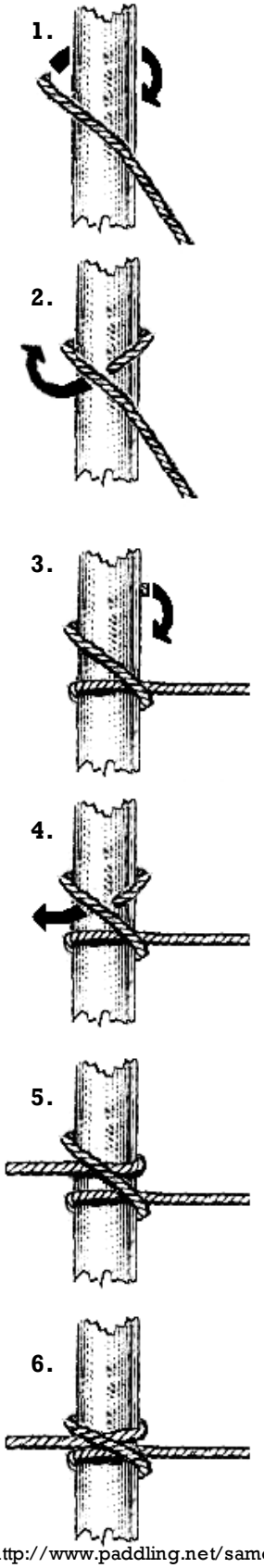
Holds a line in two directions.

Clove Hitch

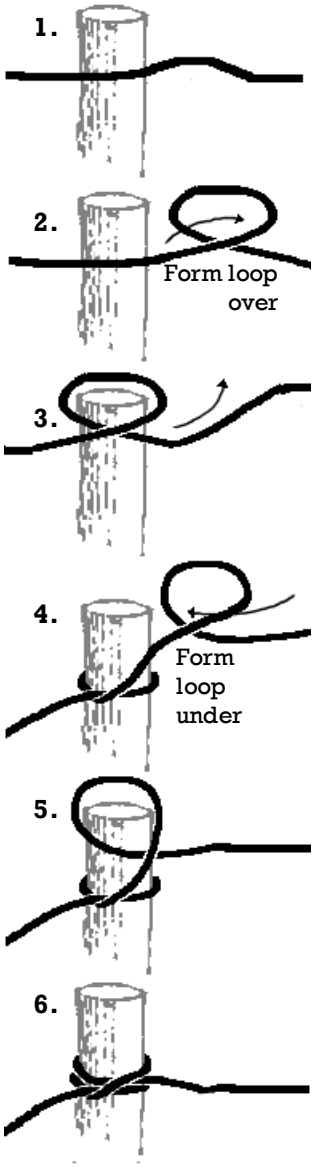
Option 1:
Bottom-up, left to right - terminating line.



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



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

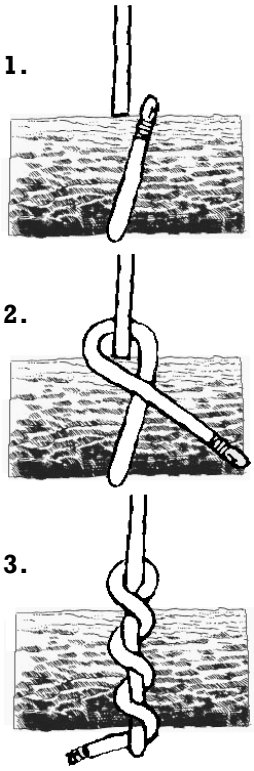


See: http://www.paddling.net/sameboat/archives/sameboat219.html

Tie a Line to a Piece of Wood

Knot is intentionally difficult to undo.

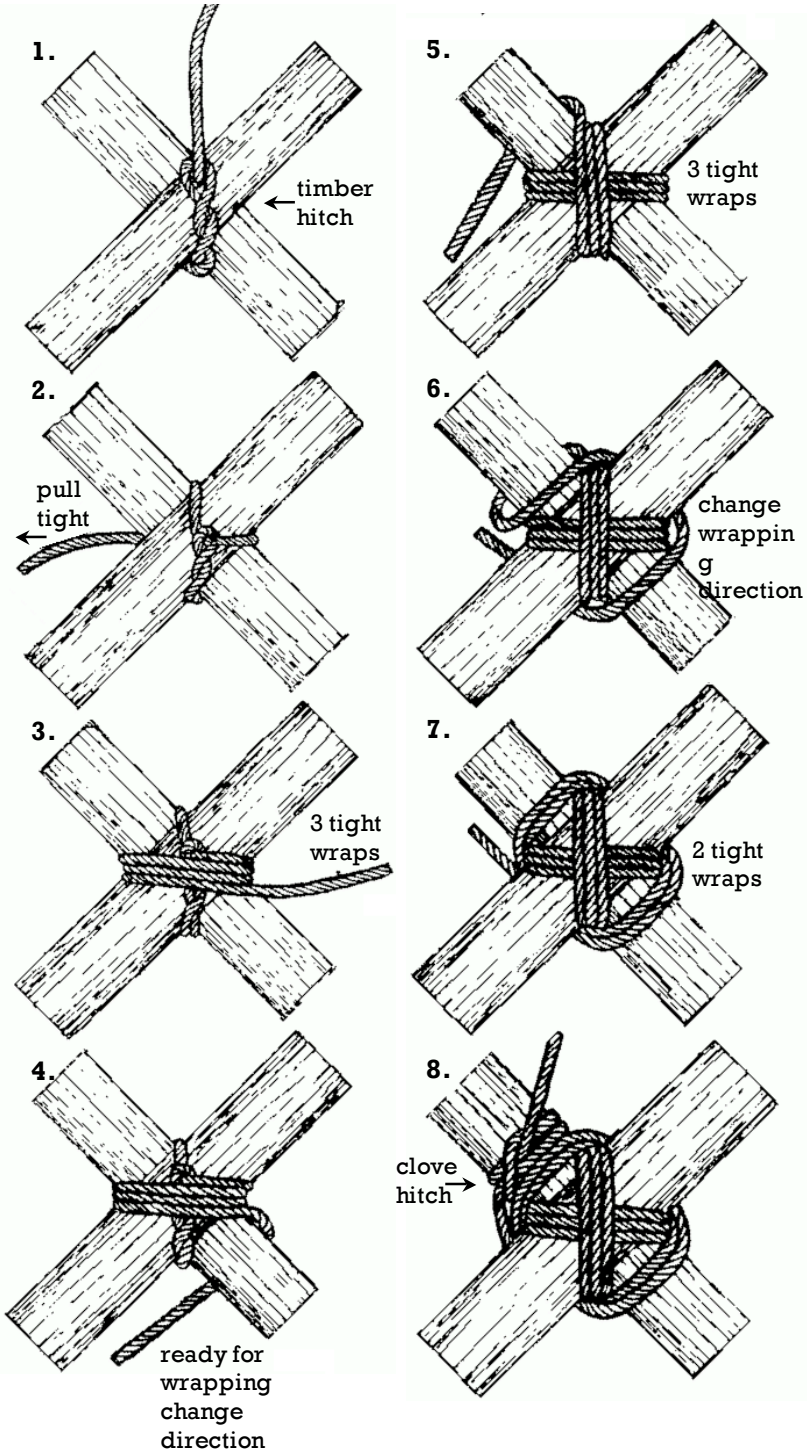
Timber Hitch



Lash Two Poles at a 45° to 90° Angle

Use at 90° only if gap exists between poles.

Diagonal Lashing

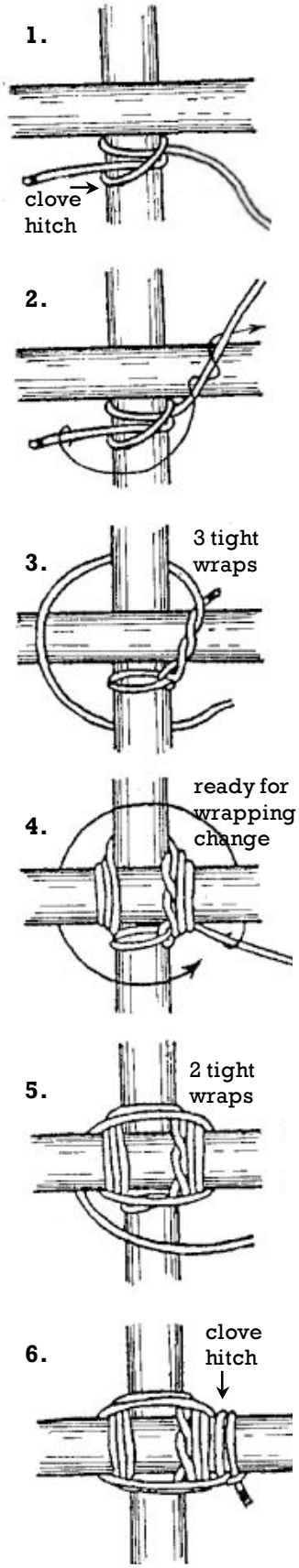


See: http://www.ropeworks.biz/archive/daglas1.html

Lash Two Poles at a 90° Angle

Stronger than diagonal lashing.

Square Lashing

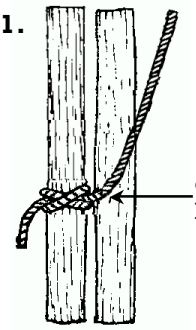


Lash Two Poles at a 0° to 45° Angle

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

Shear Lashing

1.



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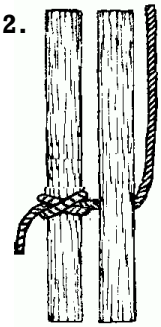

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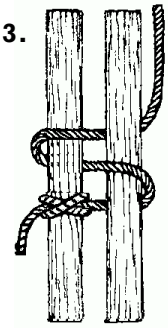

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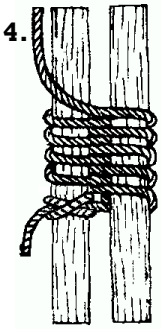

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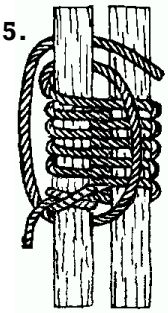

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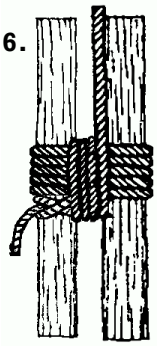

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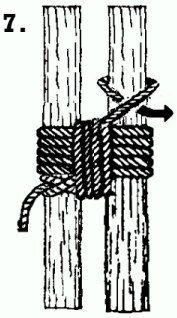

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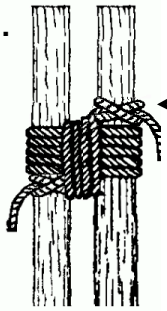
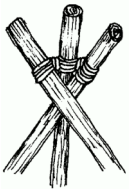


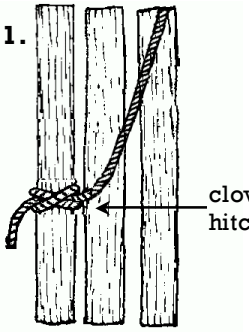
Lash Three Poles Together

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



Tripod Lashing

1.



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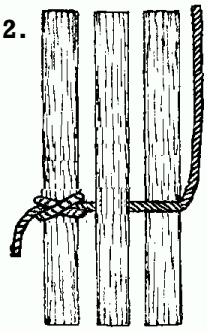

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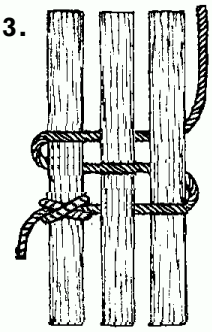

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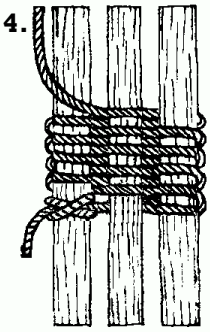

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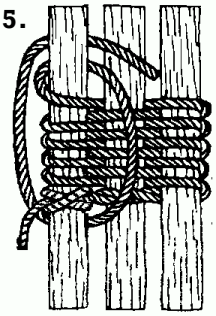

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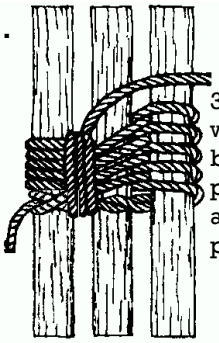

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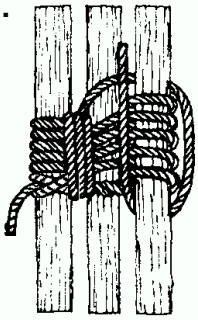

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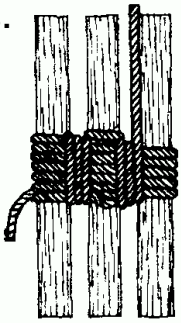

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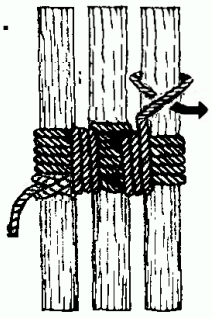

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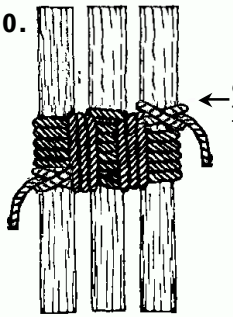

See: http://www.ropeworks.biz/archive/tripod.html