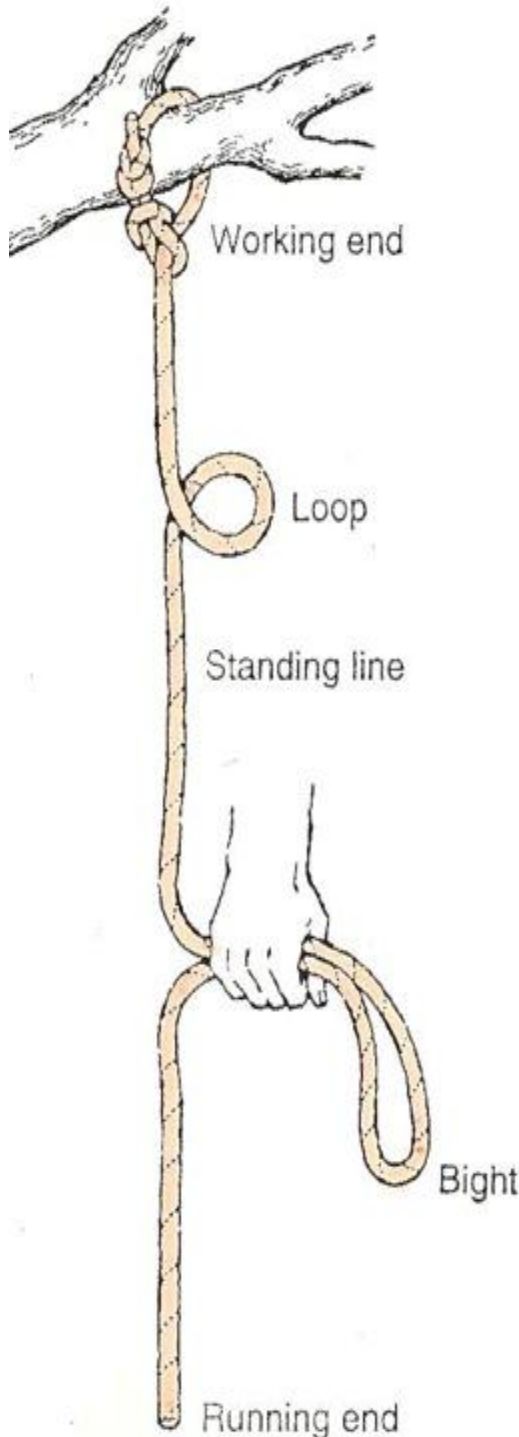


Knots and Terminology



Common Tie Securing Terms

Tie - A generic term encompassing all the general categories of securing cordage, including: hitches, bends, and knots.

Knot - A fixed, non-movable place on a piece of cordage that is achieved through turns, bends, and tie-offs.

Hitch - A group of ties that wrap or attach to other objects or ropes. Almost always, when the object is removed, the tie will fall apart.

Bend - A tie that unites two rope ends.

Bight - A doubled section of rope, usually taken from the center of the rope, that does not cross itself.

loop - A turn of the rope that crosses itself.

Running End The end that is not rigged or the free end

Standing Part of the Rope - All of the rope that is not fastened at the rigging point

The Working End - The end that is used to rig with or tie off to something.

Strenghts of Knots

- | | |
|------------------------|-----------------|
| • No Knot | 100 percent |
| • Figure eight | 75- 80 percnet |
| • Bowline | 70 – 75 percent |
| • Fisherman's / Barrel | 65 – 70 percent |
| • Water Knot | 60 – 70 percent |
| • Clove Hitch | 60 – 65 percent |

Knots and Terminology

FIGURE-EIGHT

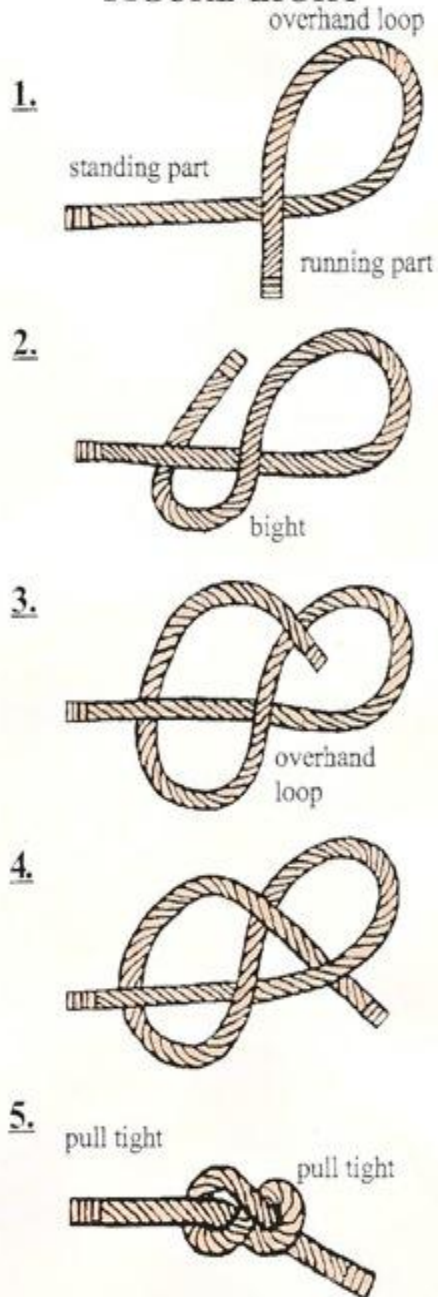
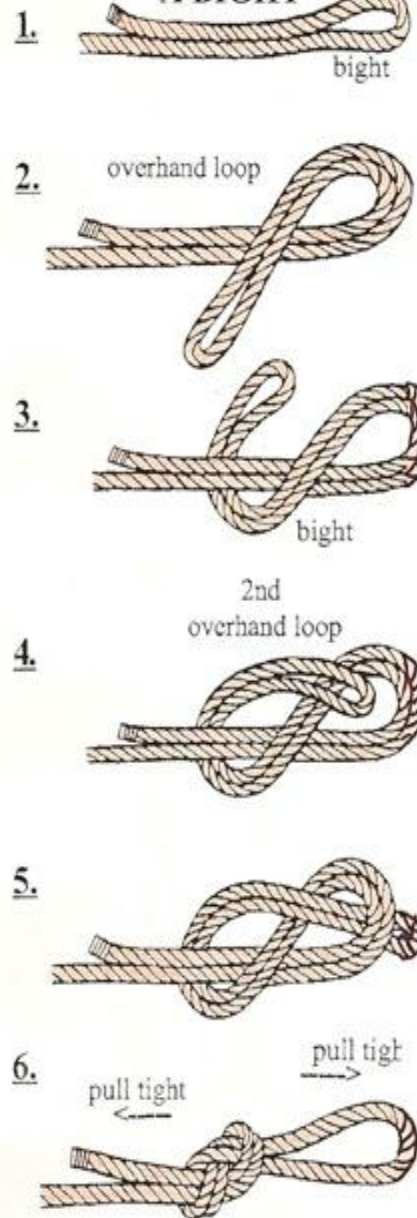
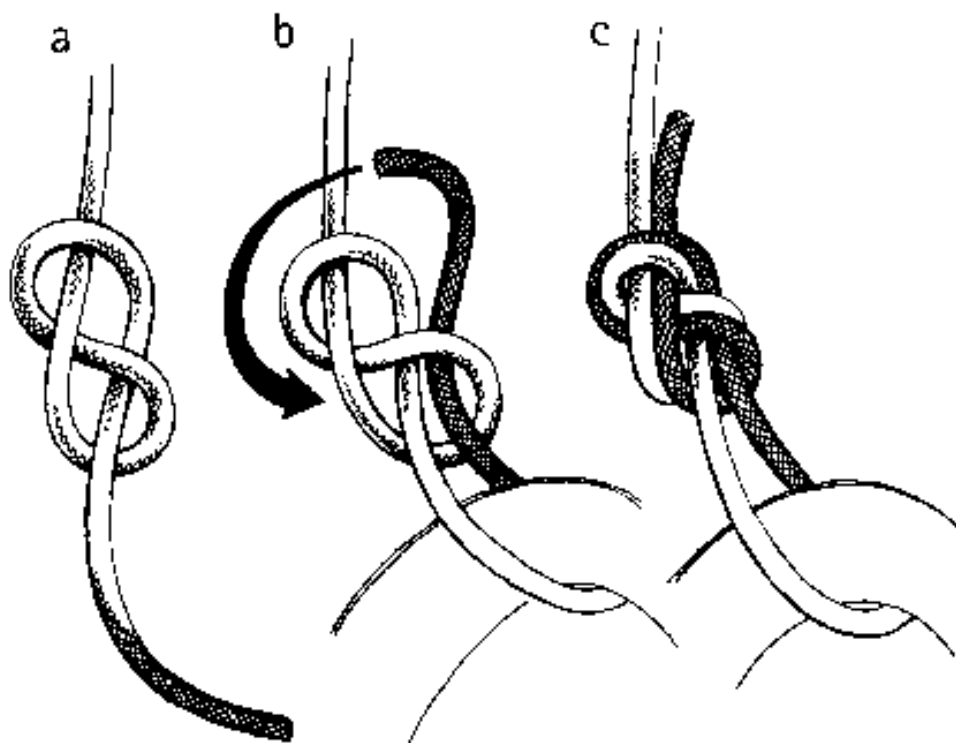


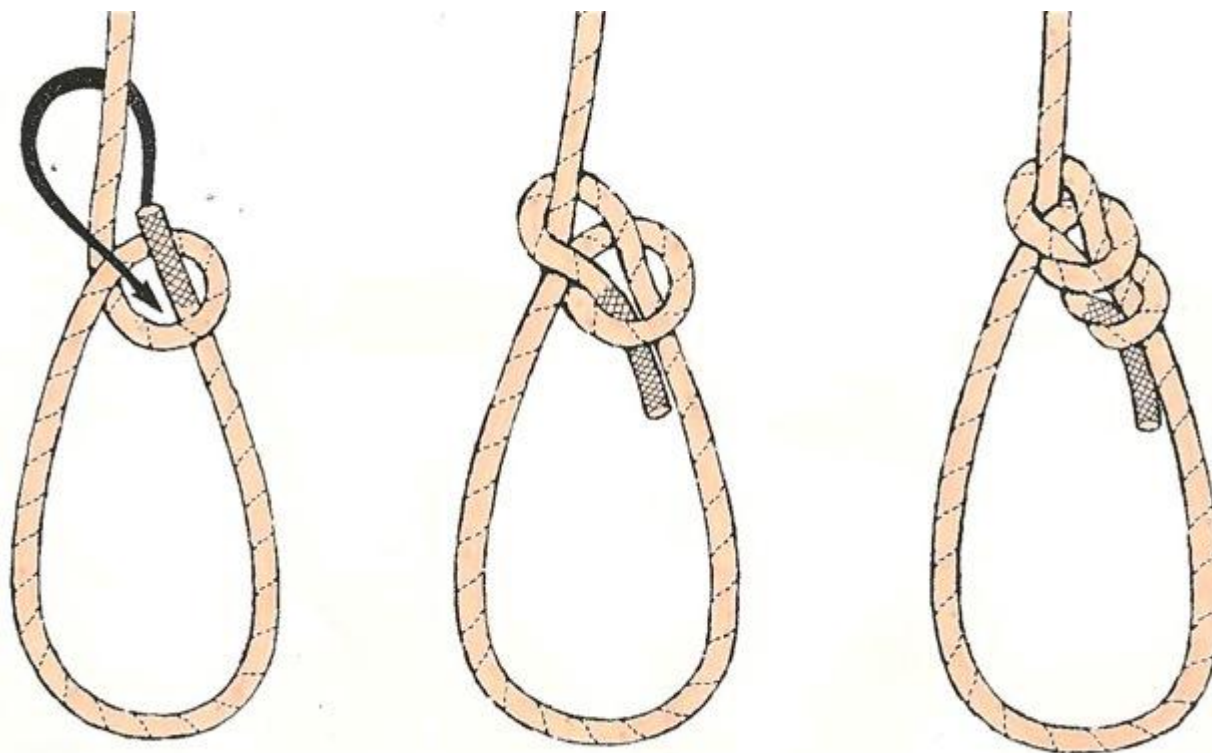
FIGURE-EIGHT ON A BIGHT



Knots and Terminology

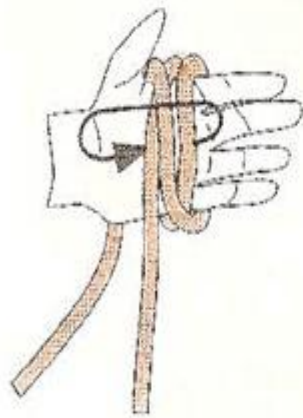


Eight Follow Through

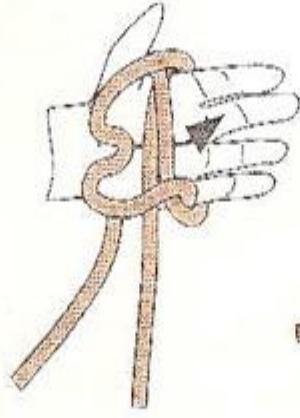


Bowline

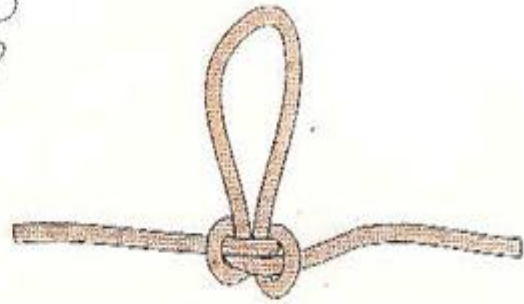
Knots and Terminology



Step 1

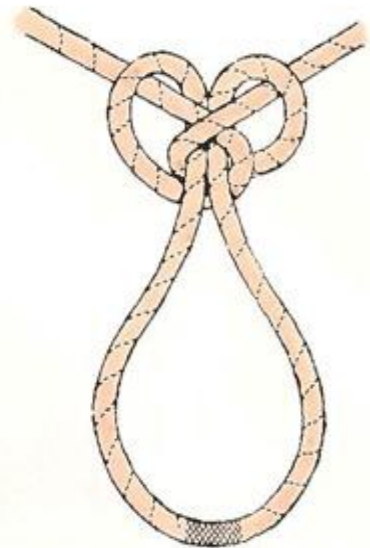
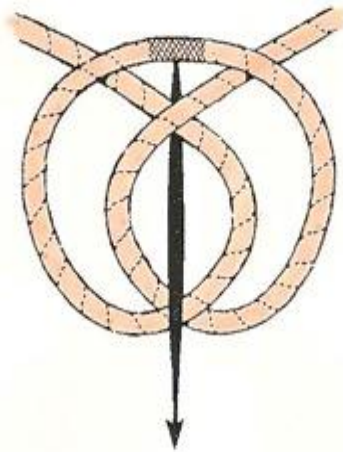
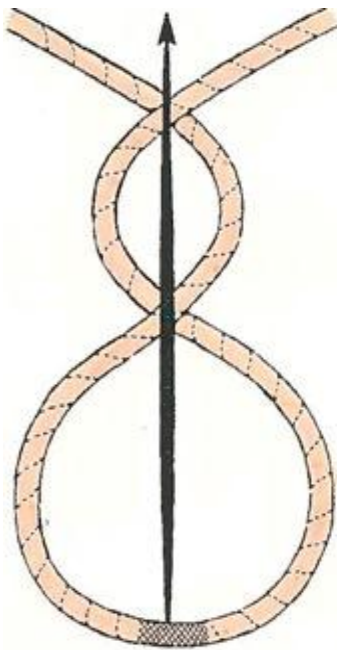


Step 2



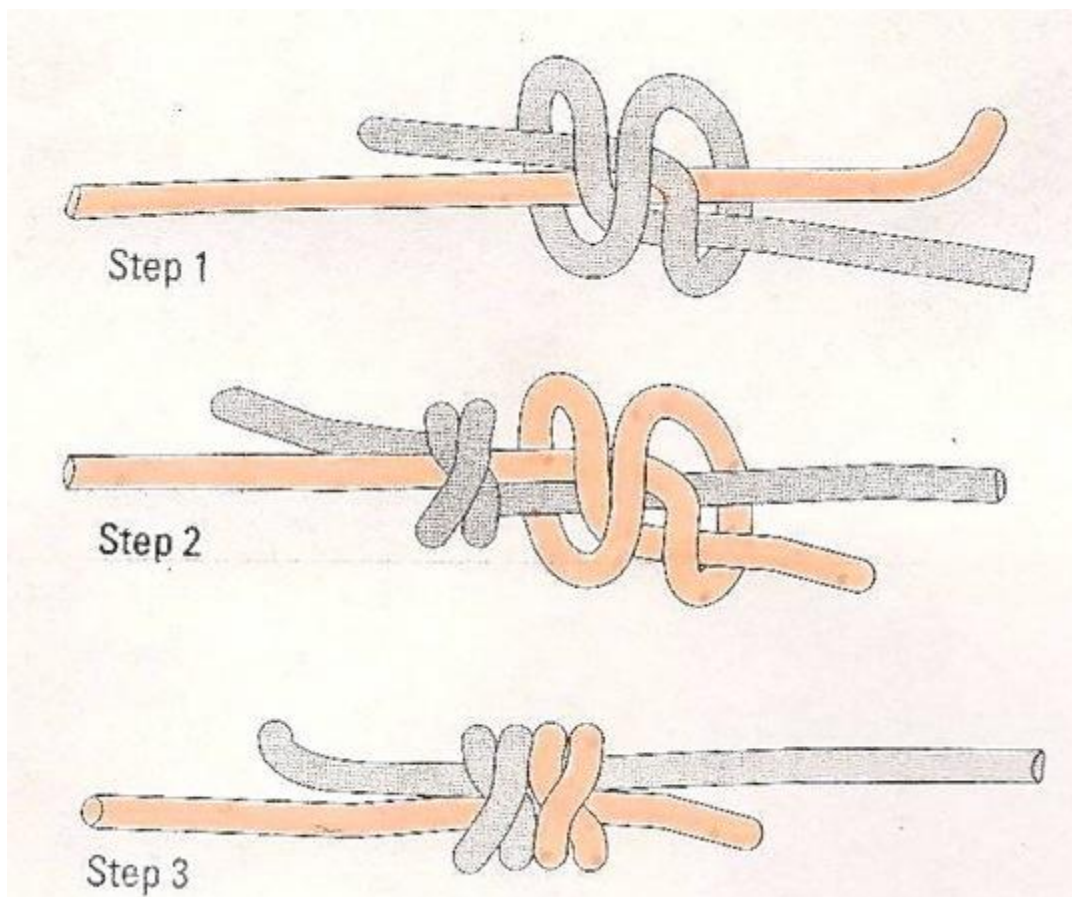
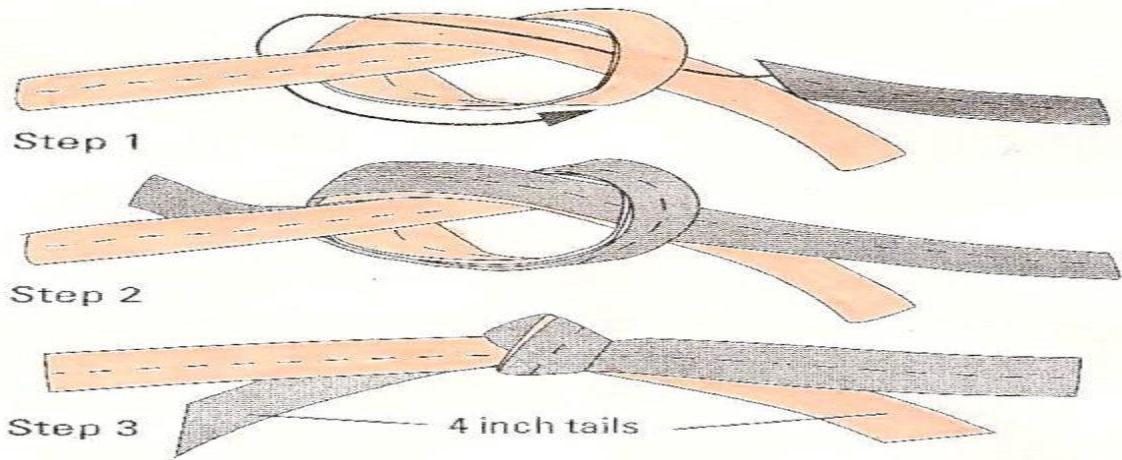
Step 3

Butter Fly – Two different Methods



Knots and Terminology

Water Bend (tie webbing together)

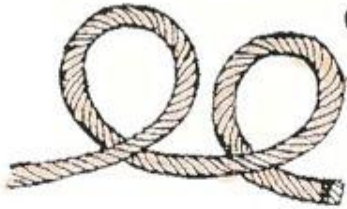


Barrel Knot

Knots and Terminology

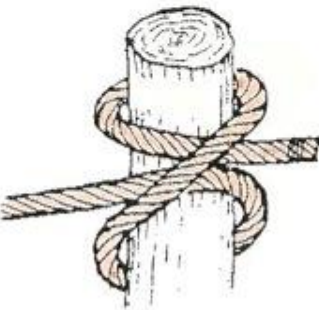
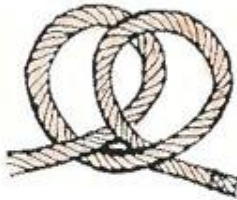
CLOVE HITCH: OVER AN END:

A clove hitch can be tied over the end of a pole or stake by using this method.



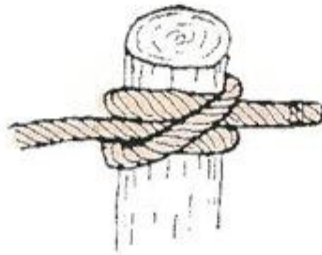
(1) Form two underhand loops in the running part of the rope.

(2) Place the right underhand loop on top of the left underhand loop.



(3) Drop the loops over the end of the pole.

(4) Pull tight.



CLOVE HITCH

