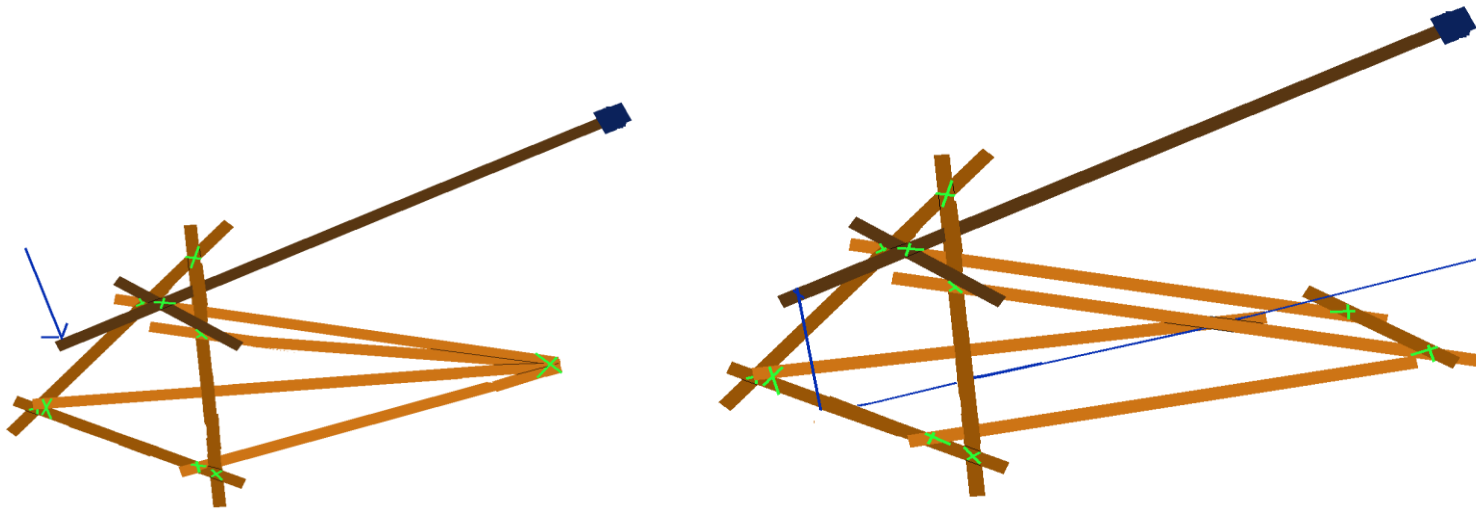


Shear lashing should be used for the top of the A frame. For other lashings use Prusik.

Square lashing could be used for all, but is not preferred.

- 3 strong poles for the A frame (1.5m plus in length)
- 3 longer poles for the supports
- 1 long light pole (bamboo or plastic pressure water pipe) for throwing arm (3m in length)
- 1 round pole for throwing arm crosspiece
- tin or small bucket, with attachment means (duct tape or lashing)
- 7 lashing ropes



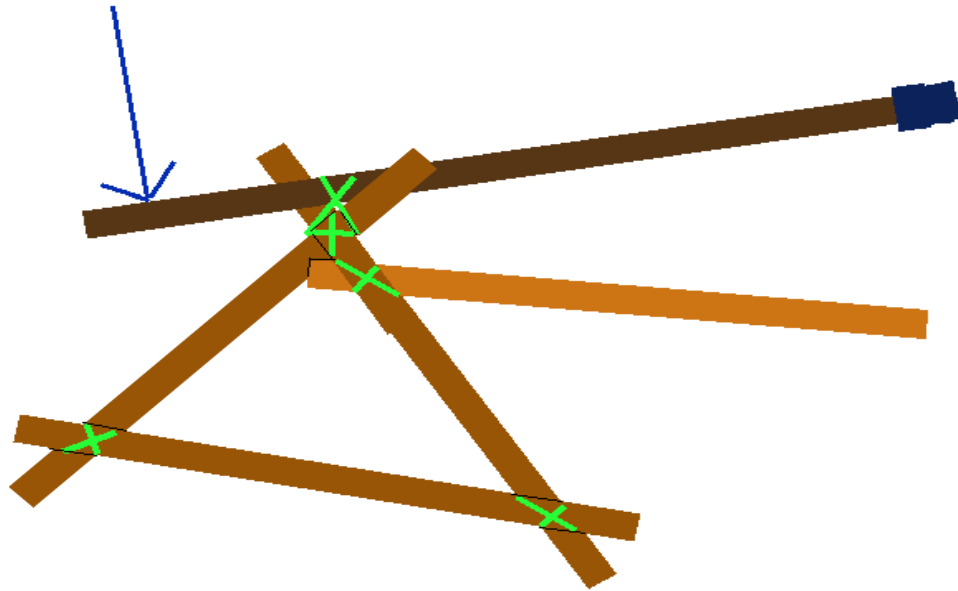
Some alternatives which may have more stability.

The arm can be swung by either pushing down on the end, or attaching a rope and pulling, or a combination. The advantage of attaching a rope is that more than one Scout can help move the arm.

Note:

Safety and effectiveness require strong poles and secure lashings.

With the placement of the cross piece on the throwing arm, consider leverage and the angles involved – specially the angle of the pulling rope. Use your patrol fully, split the tasks. Construction time should be under 30 minutes.



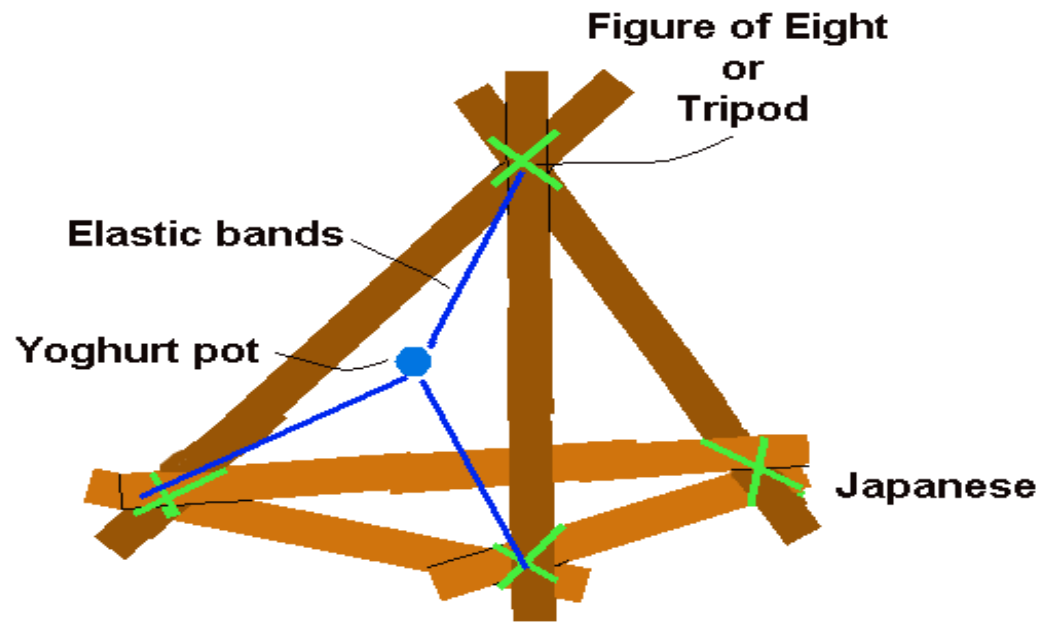
Shear lashing should be used for the top of the A frame.
For other lashings use Prusik.
The throwing arm is attached with a loose diagonal lashing.

Square lashing could be used for all, but is not preferred.

- 3 strong poles for the A frame
- 1 longer pole for the support
- 1 long light pole (bamboo or plastic pressure water pipe) for throwing arm
- tin or small bucket, with attachment means (duct tape or lashing)
- 5 lashing ropes

A light construction, hand powered catapult.

This catapult needs some care in use, however it is capable of meeting the 10m throwing distance required for Adventurer level Construction 4e.



- 6 poles (1m in length)
- 4 lashing ropes (or 7 if you wish to lash each cross pole separately – this may be easier)
- 3 elastic bands (if using “Octi strap”, ensure metal ends are removed as they can be dangerous)
- 1 plastic pot