

# Pioneering Projects

## Foreword

This pamphlet has been compiled to provide some ideas for pioneering projects. Included are simpler projects that can be undertaken by Junior Scouts, whilst more complex tasks are also provided for Venture and Rover Scouts. Before you start on any project ensure that all the components listed are available.

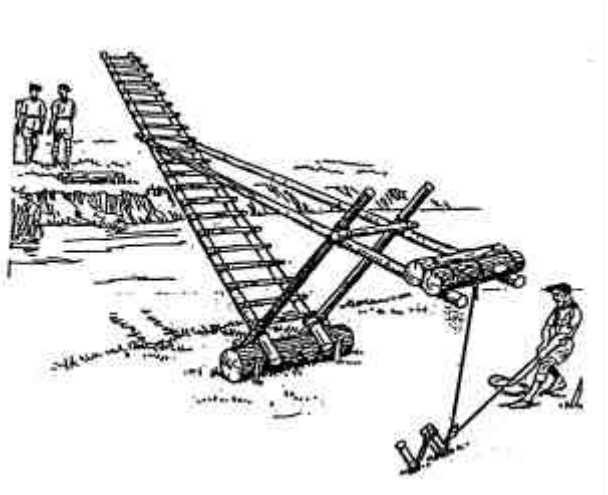
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Uganda Scout Association 2001

## Pioneering Projects

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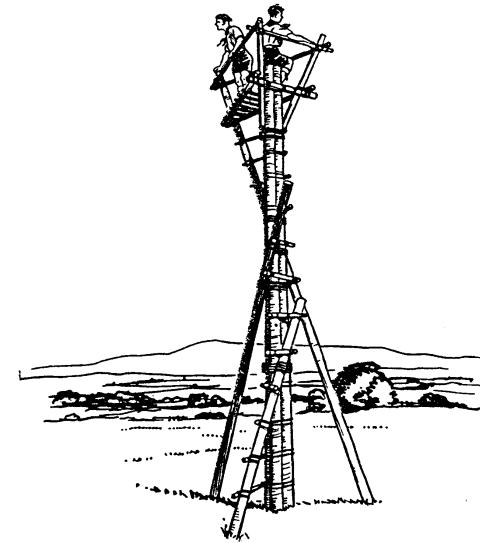
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## 1. Counter Weight Bridge



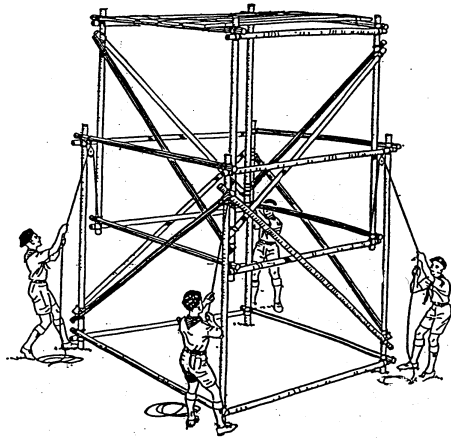
Gear Required	
<b>Spars</b>	<b>Lashings</b>
Four, 6 Metre	Thirty 4.5 Metre
Two 3 Metre	Twelve 9 Metre
One 2 Metre	
Two 1.5 Metre	<b>Blocks</b>
One heavy log for pivot	One 4 inch single
Two Logs for weights	
Fifteen staves	<b>Pickets</b>
Four 1m Metre	Eight
<b>Ropes</b>	<b>Oddments</b>
One 9 Metre 38mm	Maul

## 2. Tower



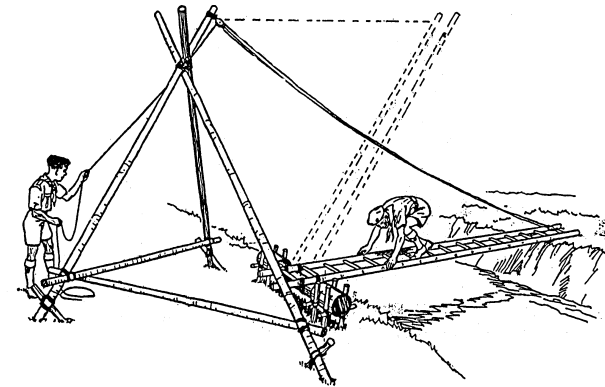
Gear Required	
<b>Spars</b>	<b>Lashings</b>
Three, 6 Metre heavy	Eighteen, 4.5 Metre
One 7.5 Metre	Two, 6 Metre
One 3 Metre	Sisal
One 2.5 Metre	
Two 2 Metre	
Four 1.5 Metre	
Two 1.25 Metre	
Ten, 0.5 Metre for platform	
Twelve, 0.25 Metre for steps	

### 3. Extending Tower



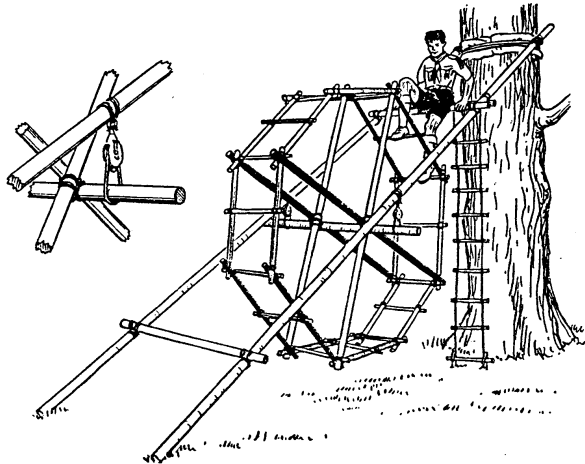
Gear Required	
<b>Spars</b>	<b>Lashings</b>
Eight, 3 Metre uprights on both frames	Four, 6 Metre for corner pulleys
Eight, 2.5 Metre top and bottom rails on outer frame	40 collier lashings
Four, 3 Metre braces	<b>Blocks</b>
Eight, 2 Metre top and bottom rails on inner frame	Four, 4 inch single
Four, 2.5 Metre braces	<b>Oddments</b>
Plank for deck	Adhesive tape
<b>Ropes</b>	Four pickets
One 9 Metre 38mm	

### 4. Draw Bridge



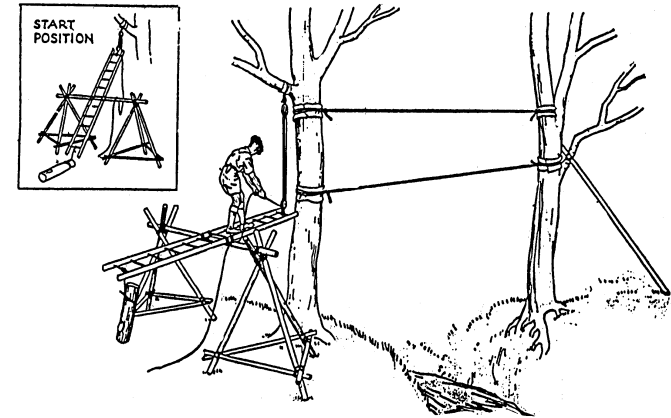
Gear Required	
<b>Spars</b>	<b>Lashings</b>
Six, 4.5 Metre (main stays and bottom side supports)	Twenty, 4.5 Metre (includes anchoring ropes and second plank lashing)
Three, 2.5 Metre (cross members – top)	<b>Oddments</b>
Three, 3 Metre stout (pulling bar at the top)	One, 2.5 Metre stout plank
<b>Ropes</b>	Four pickets
Two, 7.5 Metre, 50mm (main guys)	Four large tent pegs
Two, 9 Metre, 50mm (for supporting the seat)	One maul
Two, 4.5 Metre 38mm (pulling ropes)	One spade

## 5. Treadmill



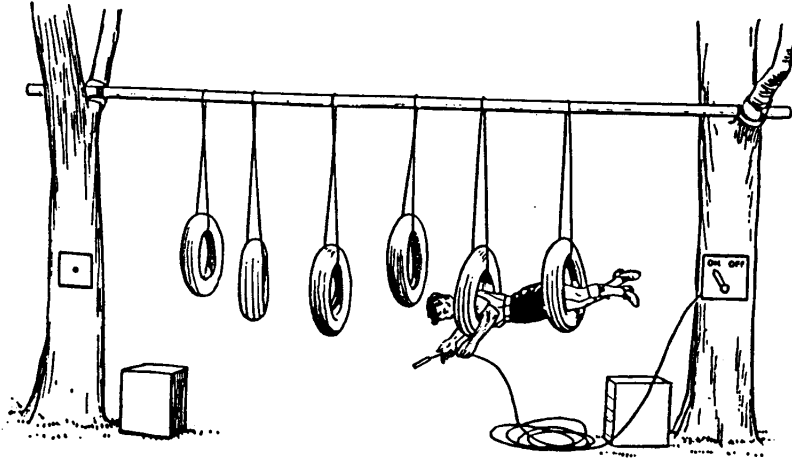
Gear Required	
<b>Spars</b>	<b>Lashings</b>
Two, 3.5 Metre	Sixteen, 4.5 Metre
Four, 1.5 Metre	Twenty-four, 4.5 Metre
Four, 2 Metre	
Twelve, 1 Metre	<b>Blocks</b>
Twelve, 0.5 Metre	Two single
<b>Ropes</b>	<b>Oddments</b>
One, 18 Metre 38mm	Rope Ladder
<b>Lashings</b>	Sacking
Ten, 7.5 Metre	
Thirteen, 4.5 Metre	

## 6. The Ravine



Gear Required	
<b>Spars</b>	<b>Oddments</b>
One, 6 Metre	Sacking
Thirteen, 2 Metre	<b>Blocks</b>
<b>Ropes</b>	One, 5 inch single block
Two for bridge	One, 5 inch double block
One, 18 Metre 38mm	One ladder
Twenty, 4.5 Metre lashings	
	One plank or ladder
Three large oil drums, 20 or 40 gallon	One stave per team member

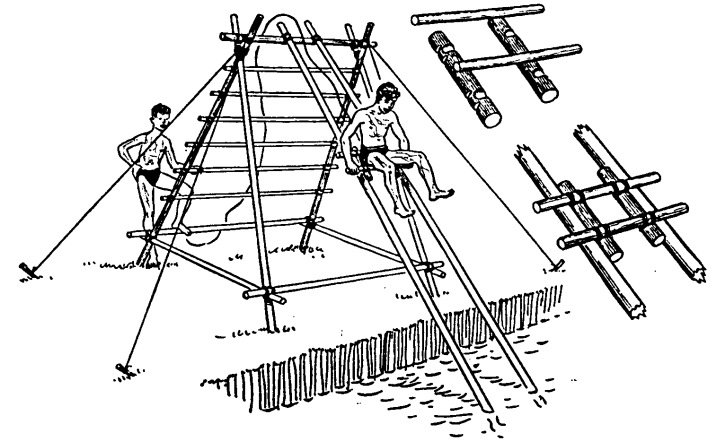
## 7. The De-Esteeayliser



### Gear Required

One heavy spar	One on and off switch
Six tyres	One end board
Eight, 9 Metre lashings	One length of sisal
Two strong boxes	One metal wand about 1 Metre long

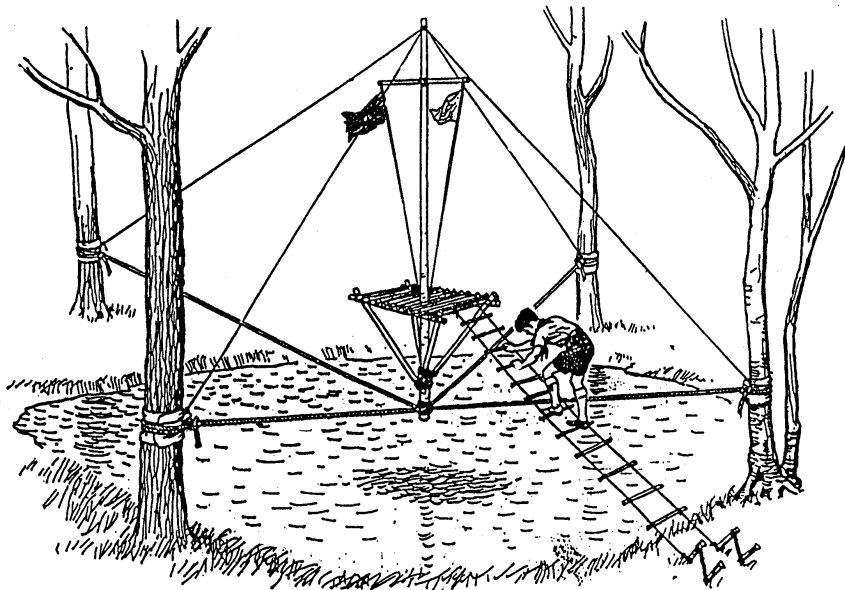
## 8. The Water Chute



### Gear Required

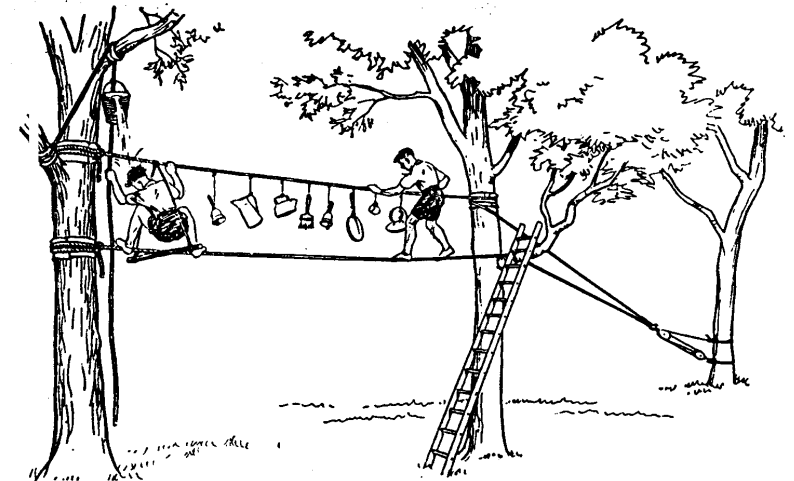
Spars	Lashings
Four 3 Metre	Twenty six, 4.5 Metre
Two, 6 Metre	Four light sisal
Five, 2 Metre	Four, 9 Metre
Four, 0.5 Metre	Sisal
Oddments	
Four pickets	
One maul	

### 9. Suspended Flag Pole

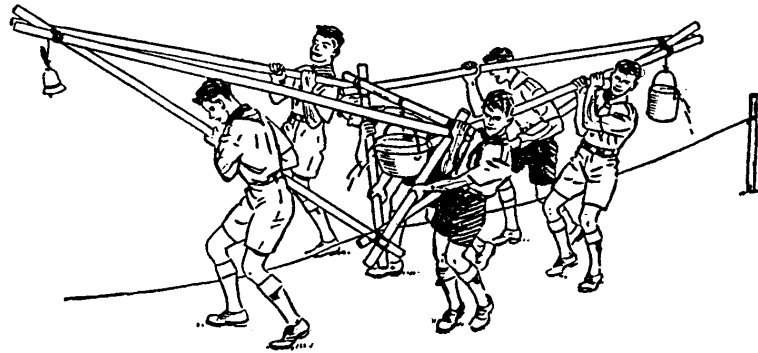


Gear Required	
Spars	Ropes
One, 26 Metre light	Two, 50mm to reach between trees
Ten, 1.5 Metre light	Four, 12 Metre approx. Guys.
Twelve Staves	Two for rope ladder
Ladder rungs	Two halyards
	Ten, 4.5 Metre lashings
	Sisal

### 10. Kaazi Surprise



## 11. The Secret Weapon

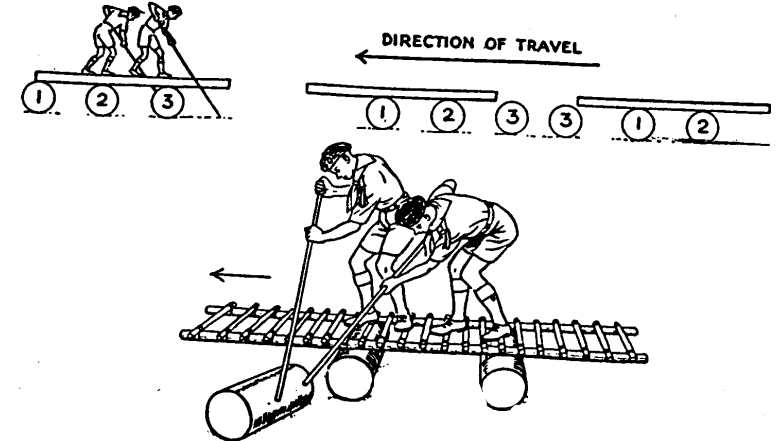


### Gear Required

One double atomic pyramid (to own design)	Objects to hang on Pyramid i.e. dixies of water, bell etc
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Before you lies a very secret weapon which is ready for testing. It is highly dangerous. You must move it with utmost care and, as sound vibrations affect it, it is essential that you make no noise. Move the weapon to the testing field along the line indicated by the trail. The weapon must not be tampered with or altered

## 12. The Swamp

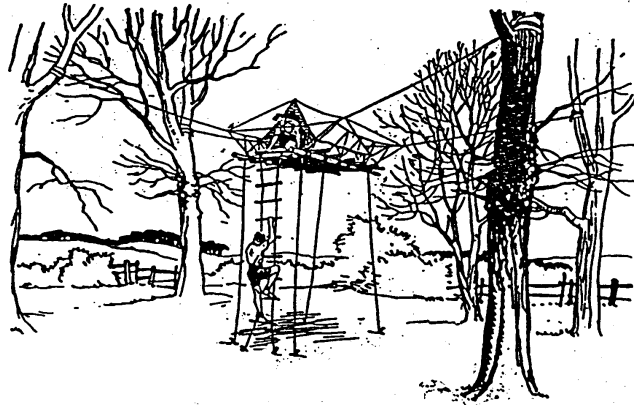


### Gear Required

Three large oil drums, 20 or 40 gallon	One plank or ladder
	One stave per team member

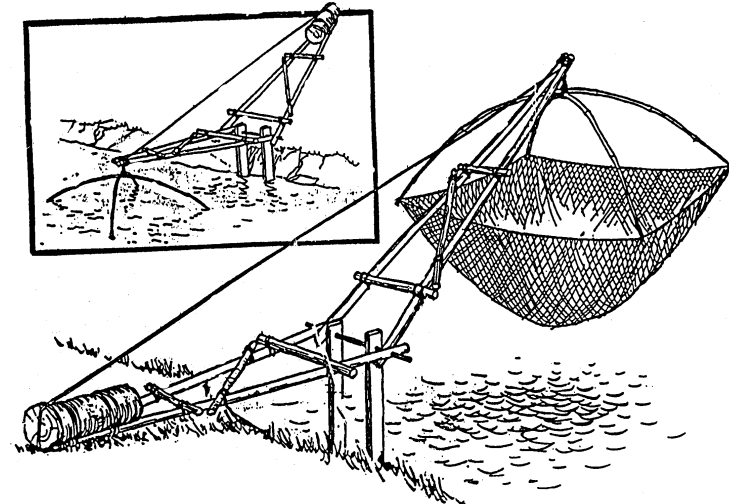


### 13. The Elevated Tent



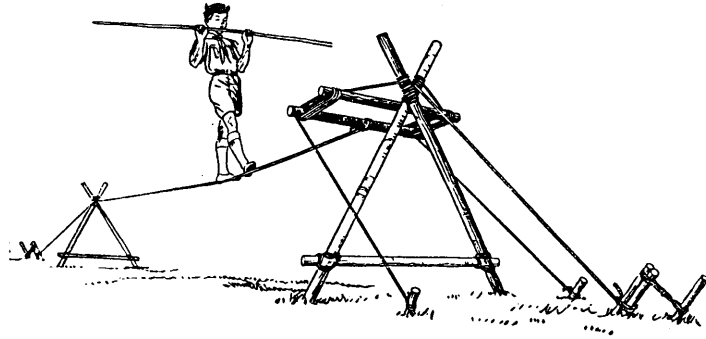
Gear Required	
Spars	Oddments
Two, 3 Metre	Three planks approx. 2 Metre
Ten, 2.25 Metre	Rungs for ladder
Ropes	Sacking
Two, distances between trees	One tent
Five, 38mm 9 Metre	Six pegs
Six, 6 Metre approx (two for rope ladders)	One mallet
Sixteen, 4.5 Metre lashings	

### 14. The Fishing Net



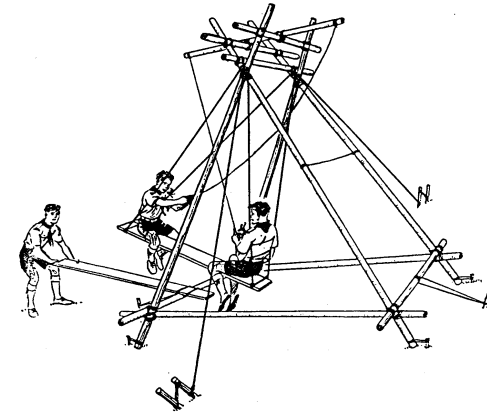
Gear Required	
Spars	Ropes
Four, 3.5 Metre	Fourteen, 4.5 Metre lashing
Two, 1 Metre	Two, 9 Metre lashing
Two, 0.75 Metre	One, 12 Metre 50mm
Two, 0.5 Metre	Oddments
Two, 3 Metre light bamboo poles	One net, 3 Metre square
	Two pieces 150mm, by 50mm, 1.25 Metre
	One metal pipe, 1.25 Metre
	One maul
	One log, counterweight

## 15. Tight Rope



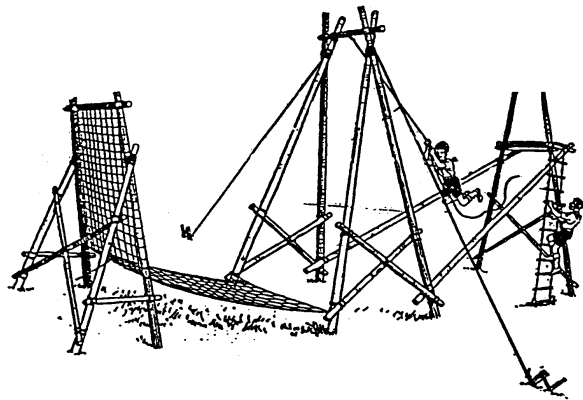
Gear Required	
Spars	Lashings
Two, 2 Metre	Eight, 4.5 Metre
One, 1.25 Metre	
Two, 1 Metre	
Three, 1.5 Metre	<b>Pickets</b>
Long stave for balancing	Eight
<b>Ropes</b>	<b>Oddments</b>
One, 50mm, 18 Metre	Maul
One, 50mm, 9 Metre	
One, 50mm, 6 Metre	

## 16. Swing Boat

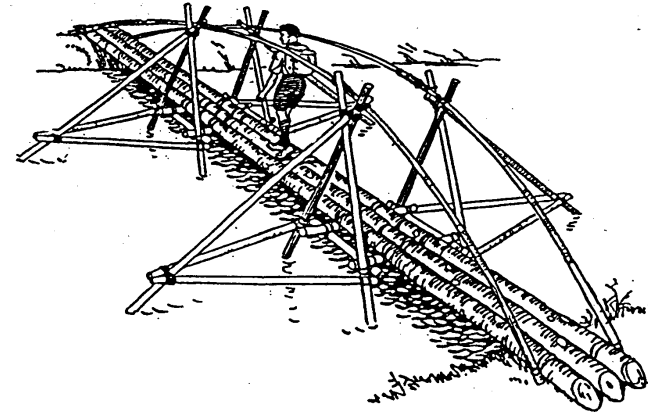


Gear Required	
Spars	Lashings
Six, 4.5 Metre (main stays and bottom side supports)	Twenty, 4.5 Metre (includes anchoring ropes and second plank lashing)
Three, 2.5 Metre (cross members – top)	<b>Oddments</b>
Three, 3 Metre stout (pulling bar at the top)	One, 8 foot stout plank
<b>Ropes</b>	Four pickets
Two, 7.5 Metre, 50mm (main guys)	Four large tent pegs
Two, 9 Metre, 50mm (for supporting the seat)	One maul
Two, 4.5 Metre 38mm (pulling ropes)	One spade

## 17. Trapeze



## 18. Seine Bridge



Gear Required	
Spars	Lashings
Eight, 2 Metre	Forty 4.5 Metre
Four, 2.5 Metre	
Twelve, 1.25 Metre	
Eight, 1 Metre	
Nine, 3 Metre heavy	
Six, 3 Metre bamboo	
Fifteen staves	
Four 1 Metre	