

Signal Tower, Conventional
Reference: Boys' Life Reprint Pioneering, No. 26-044
Fieldbook pages 110-111

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at butt	Length	Purpose
4".		
	20'	Uprights
4"	8'	Lower crosspieces
4"	10' 6"	Lower diagonals
3"	8'	Upper diagonals
3"	6' 6"	Middle crosspieces
3"	5'	Upper crosspieces
3"	5'	Platform
	4" 3" 3" 3"	4" 10' 6" 8' 8' 6' 6" 5'

ROPE

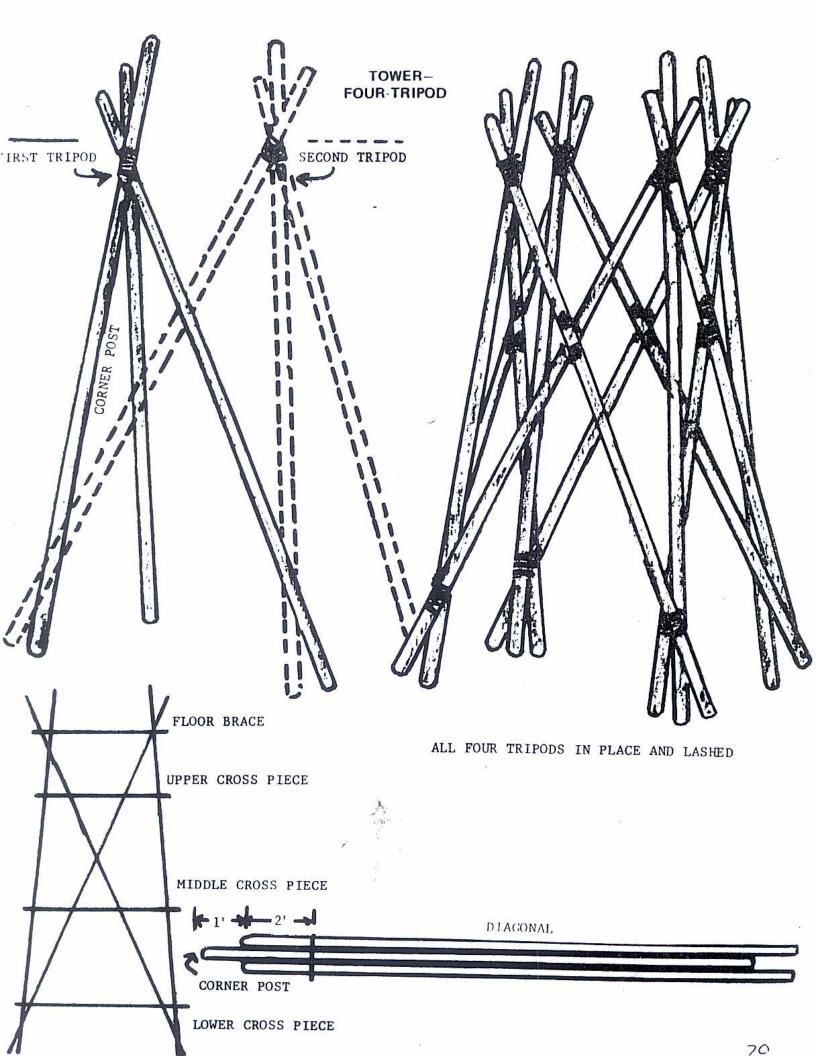
54

½" diam.

18'

Lashings

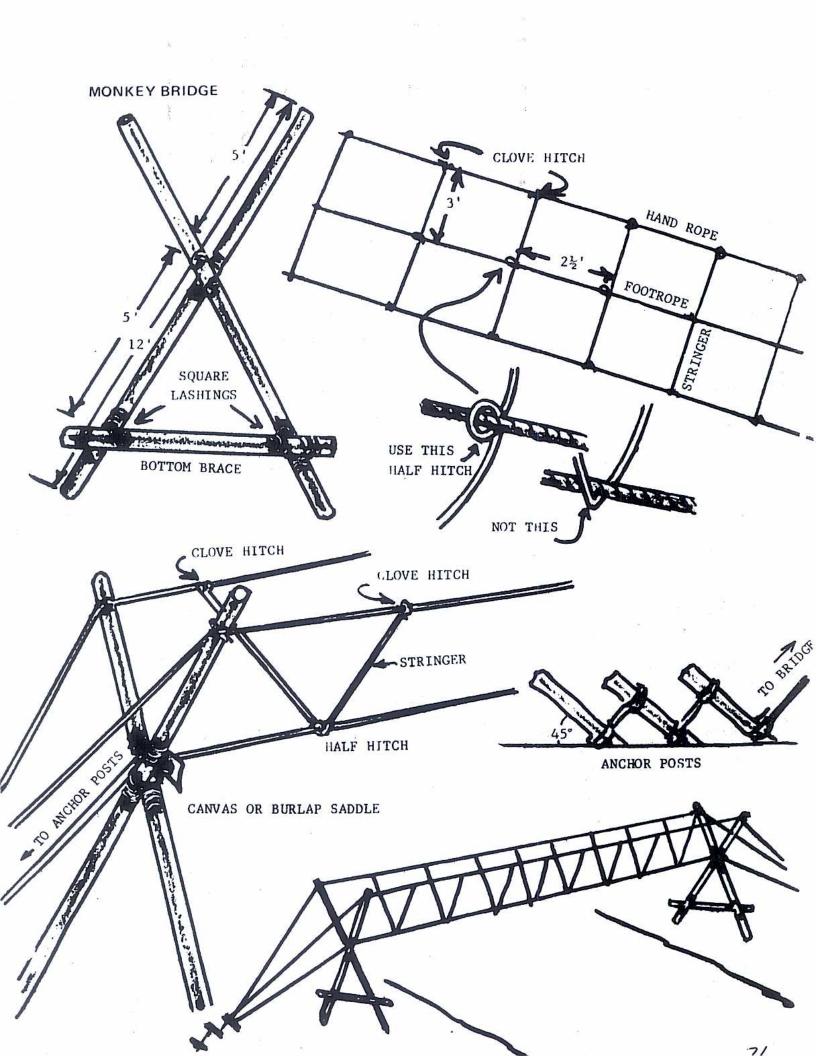
Whipping twine



Four-Tripod Tower Reference For tripod lashings, see Fieldbook page 102

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No.	Butt Diam.	Length	Purpose
12	. 4"	20'	Corner posts and diagonal
4	4"	9'	Lower cross pieces
2	3"	8 '	Middle cross pieces
2	3"	6'	Upper cross pieces
2	3"	5 '	Floor braces
10	3"	5'	Floor boards
ROPES			
	1/4"	361	Tripod lashings
	1/4"	24 '	Lashings of diagonals and lower cross pieces
2	1/4"	18'	Lashings of upper, middle cross pieces and floor braces
inder twind	е		For floor board lashings



Monkey Bridge

Reference: Boy's Life Reprint Pioneering, No. 26-044

Fieldbook pages 108-109

POLES

No.	Butt Di	am. Length	Purpose
4	4"	12'	Shear legs
2	.3"	5'	Bottom braces
6	3"	4'	Stakes

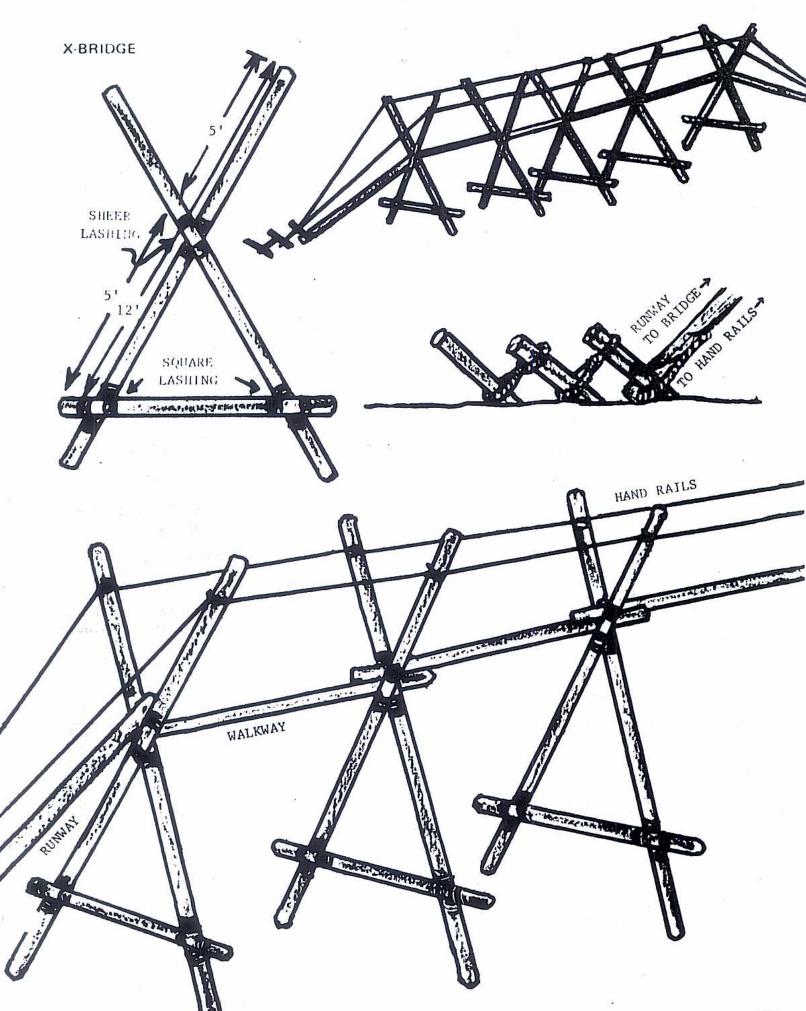
ROPE

No.	Diameter	10 m	Length		Purpose	
1	1"		60'		Foot rope	
2	1/2"		60'	***	Hand ropes	
6	1/4"		18'		Lashings	2*
10	1/4"		91		Stringers	2
6	1/4"	s E was ago	13'		Anchorage	

OTHER EQUIPMENT

These ropes make a bridge 30' between shear legs. If longer is desired, increase length of foot rope and hand ropes, and add one stringer for every 3' increase in span.

² burlap bags for padding, in crotch of shear legs whipping twine



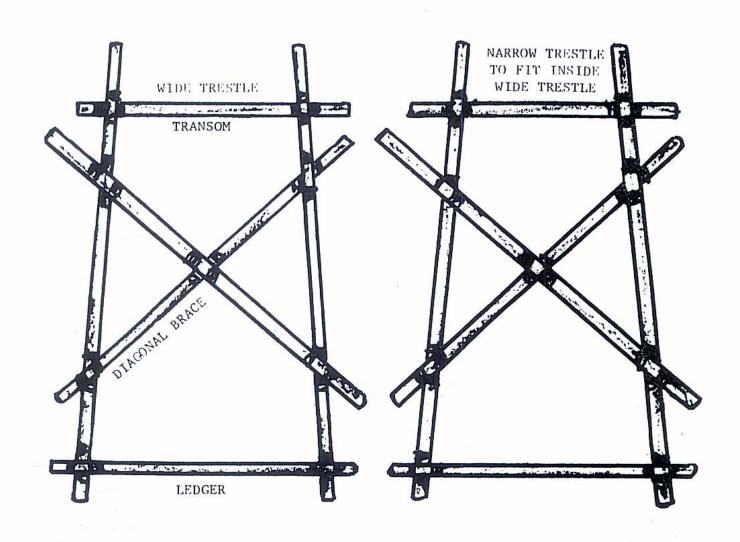
X-Bridge

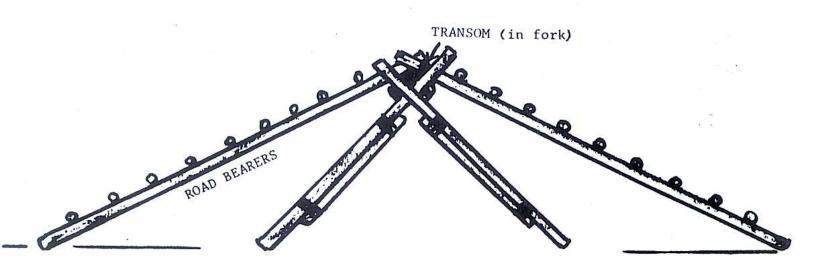
POLES

Butt Diam.	Length	Purpose
4"	12'	"X" pieces
3"	5'	Bottom braces
3"	10'	Walkways
4"	12'	Runways
2"	3'	Stakes
	4" 3" 3" 4"	4" 12' 3" 5' 3" 10' 4" 12'

ROPE

No.	Diameter	Length	Purpose
2	1/4"	80'	Hand rails
5	1/4"	18'	Diagonal lashings of "X"s
10	1/4"	18'	Square lashings of bottom braces
10	1/4"	18'	Lashing of walkway and runway pieces





Single-lock Bridge

Reterence: Boy's Life Reprint Pioneering, No. 26-044

Fieldbook pages 104-107

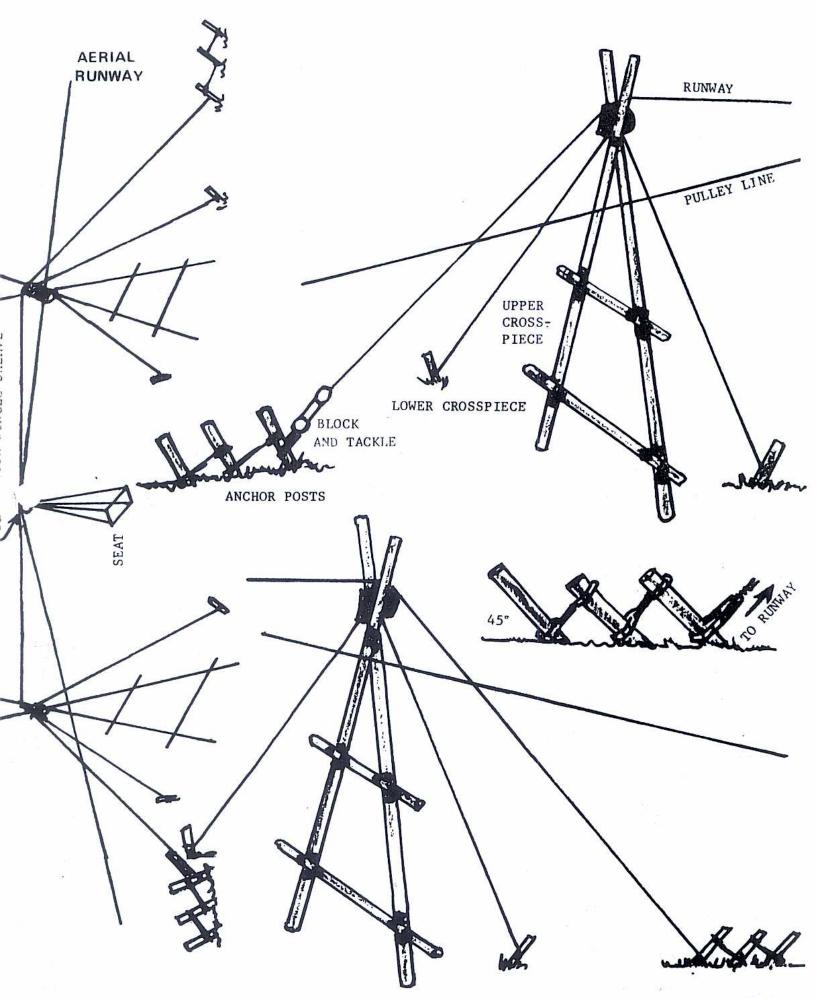
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No.	Butt Diam.	Length	Purpose
4	4"	8'	Legs
2	4"	5'	Ledgers
1	4"	5'	Transoms (fork)
2	3"	5'	Transoms
4	3"	7'	Diagonal braces
120	3"	5'	Flooring
4	2"	15'	Road bearers

ROPE

No.	Diam.	Length	Purpose
22	1/4"	18'	Lashings
4	1/4"	24 '	Lashings for road bearers
4	1/4"	120'	Running lashing for flooring

The bridge is about 4 feet high, with a total length of about 28'.



Aerial Runway

Reference: Boys' Life Reprint Pioneering, No. 26-044

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No.	Butt Diam.	Length	Purpose
4	4"	15'	Uprights
2	3"	6'	Lower crosspiece
2	3"	4½'	Upper crosspiece
6	3"	4'	Anchor posts
4	2"	3'	Guy line posts

No.	Diam.	Length	Purpose
1	5/8"	60' (or longer)	Runway rope
1	1/4"	120' (or double length of runway)	Pulley line
4	1/4"	12'	Guy line
4	1/4"	15'	Anchor ropes
.0	1/4"	18'	Shear leg lashings
1	1/4"	35 '	Rope for seat
1	1/4"	6'	Choke rope for block hook

OTHER EQUIPMENT

- 2 burlap bags
- 1 block with a single sheave to fit 5/8" rope
- 1 block and tackle set, consisting of one block with a single sheave and one with double sheaves
- 1 board 10" x 24" for seat

string for mousings