

PIONEERING PROJECTS

THE WIGAN (SELF-SUPPORTING) FLAGSTAFF

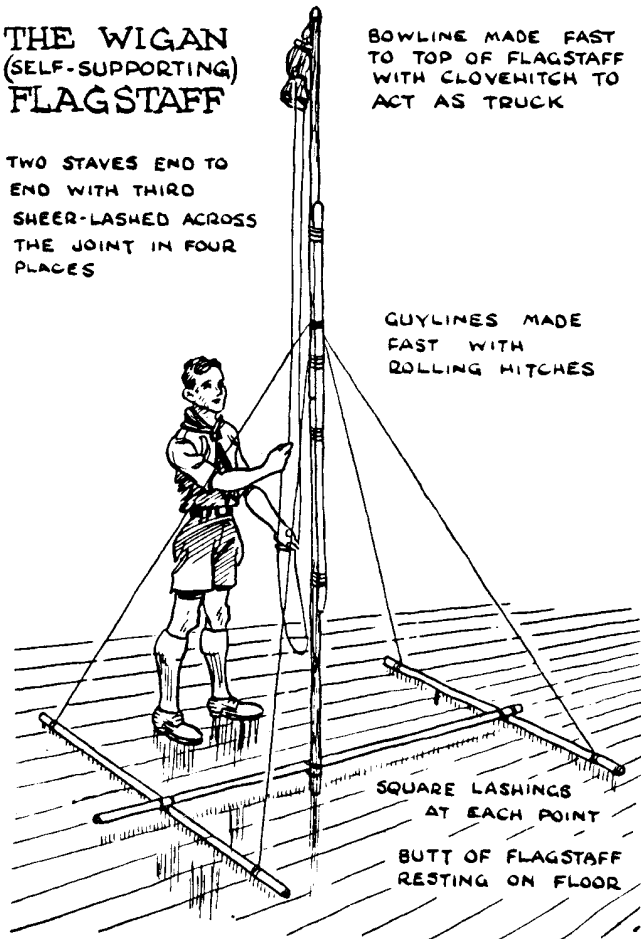
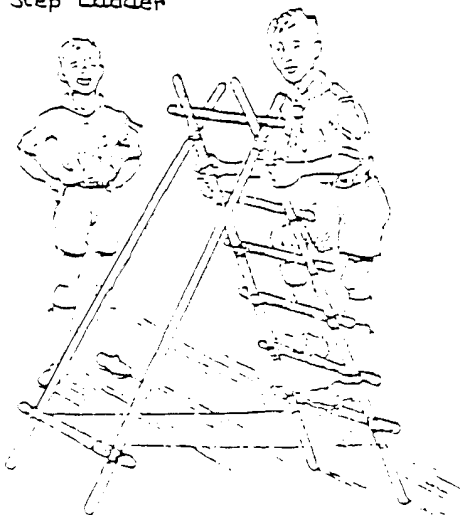
TWO STAVES END TO END WITH THIRD SHEER-LASHED ACROSS THE JOINT IN FOUR PLACES

BOWLINE MADE FAST TO TOP OF FLAGSTAFF WITH CLOVEHITCH TO ACT AS TRUCK

GUYLINES MADE FAST WITH ROLLING HITCHES

SQUARE LASHINGS AT EACH POINT
BUTT OF FLAGSTAFF RESTING ON FLOOR

Step Ladder



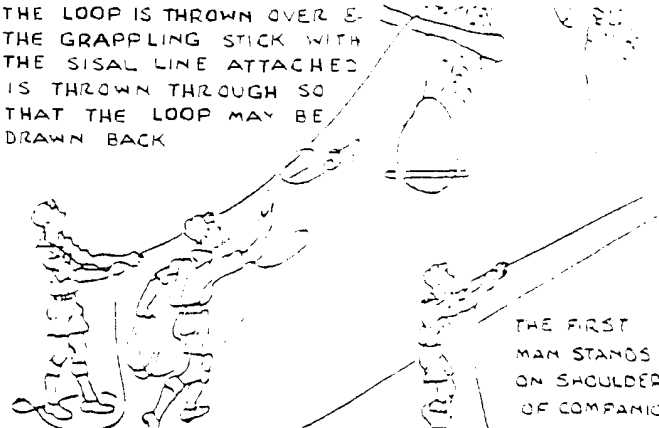
THE PROBLEM:
TO MAKE FAST TO HIGH BRANCH ON FAR BANK



THE LOOP IS THROWN OVER & THE GRAPPLING STICK WITH THE SISAL LINE ATTACHED IS THROWN THROUGH SO THAT THE LOOP MAY BE DRAWN BACK

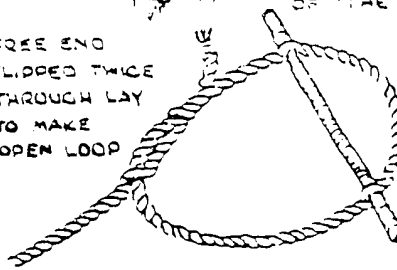


SO THAT PATROL MAY SWING ACROSS STREAM BY MEANS OF "THE GIANT STRIDE"



THE FIRST MAN STANDS ON SHOULDERS OF COMPANION FOR TAKE-OFF

FREE END SLIPPED TWICE THROUGH LAY TO MAKE OPEN LOOP

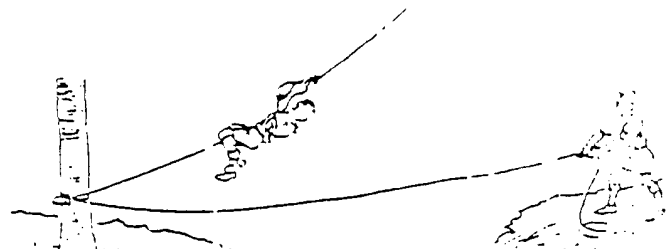


STICK SLIPPED THROUGH LAY TO ACT AS "SPREADER"

THE LAST MAN OVER MAKES THE ROPE FAST ON THE TAKE-OFF SIDE WITH HIGHWAYMAN'S HITCH, PASSES FREE-END BACK ACROSS STREAM & CLIMBS ROPE TO GAIN HEIGHT

SISAL LINE

GRAPPLING STICK



THE HIGHWAYMAN'S HITCH IS RELEASED & THE SCOUT SWINGS, OR IS DRAWN, ACROSS