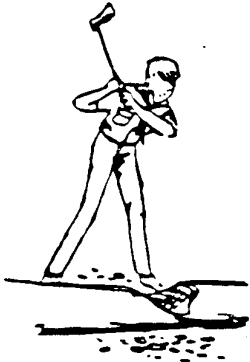


# Troop Leader Training Conference

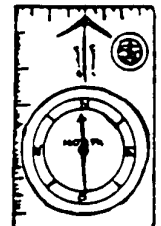
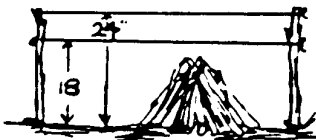
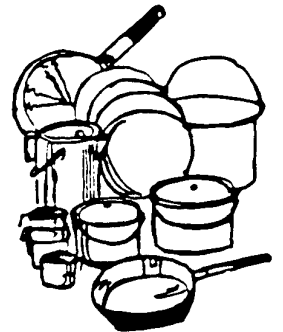
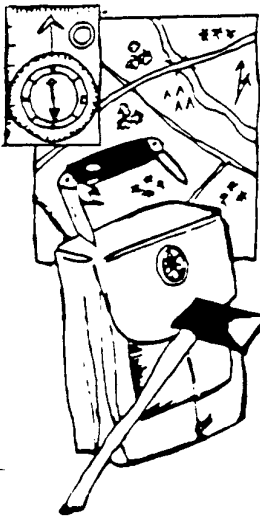
## SCOUTCRAFTFILE

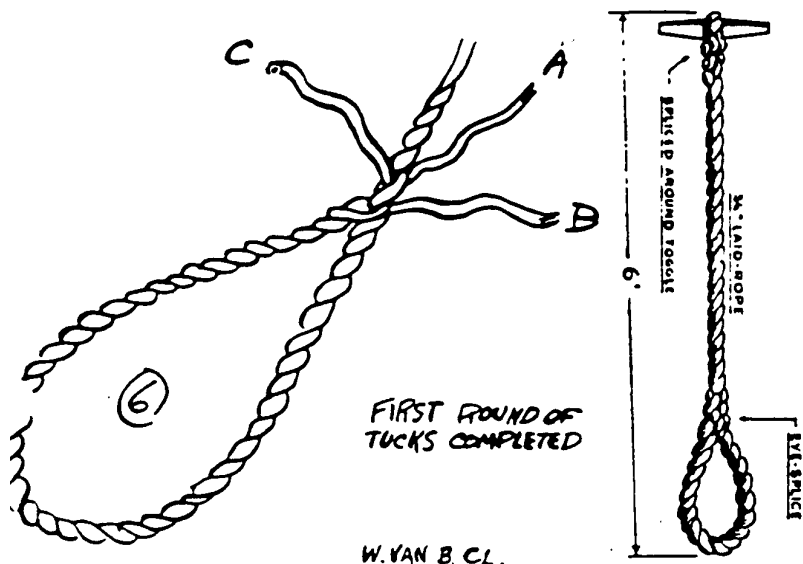
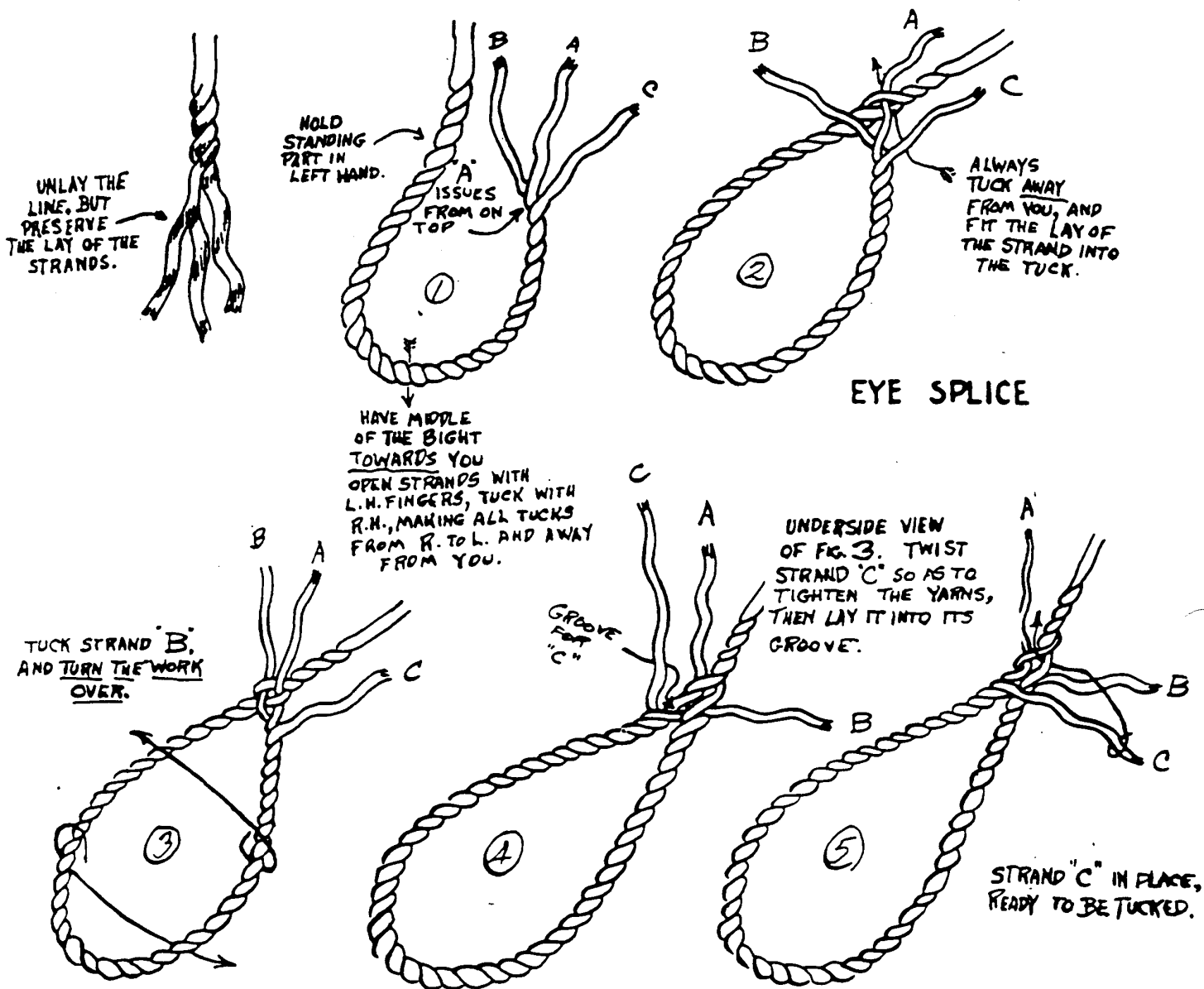


The pages that follow, contain a complete set of SCOUTCRAFTFILE pages. They are generally in the order called for in the staff guide. The faculty should decide which of the pages would be most useful--all of them probably will not be needed.



The selected SCOUTCRAFTFILE sheets should then be reproduced locally for distribution to the Scouts as needed during the conference. The sheets in the appendix are printed back-to-back. When reproduced locally, they should be printed on one side only. Light card stock is best. The Scouts can then cut the sheets into 3"x5" file cards.





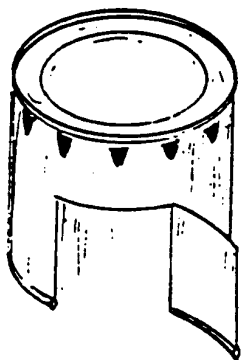
**COMMANDO ROPE**  
(TOGGLE-ROPE)

**GROOVE TO HOLD ROPE**

4"

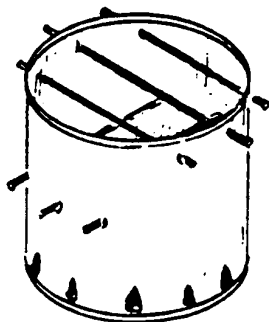
The toggle rope came into prominence in World War II with Commandos who often in the course of duty had to scale walls, climb cliffs, cross ravines. Instead of carrying long, bulky ropes, each Commando had a 6-foot length of ½-inch rope, with an eye splice in one end and a toggle in the other, secured in another eye splice. The open eye splice was just large enough to allow the toggle to fit through and be held firmly. The Commandos carried these ropes around their waists. To make a long rope, several toggle ropes were simply interlocked.

# Gizmos, Gadgets, & Gilhickies



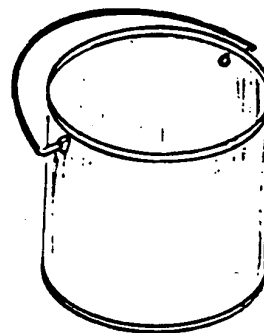
Hobu Stove

Punch out with triangular beverage can opener

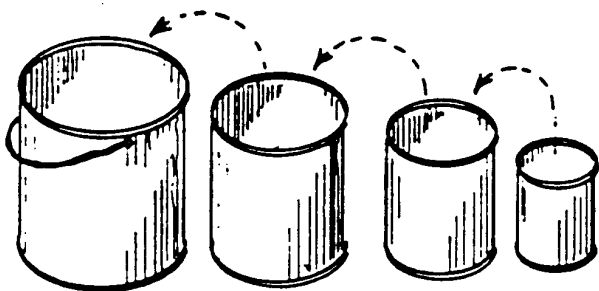


Tin Can Charcoal Stove

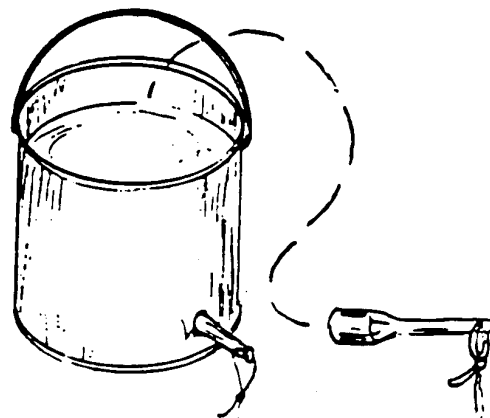
Use coat hanger wire through holes punched with nail.



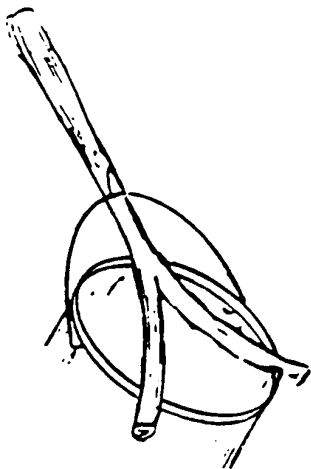
Holes punched in cans and fitted with coathanger wire bails make good camp pots.



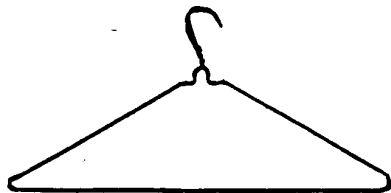
Nesting tin can pot set



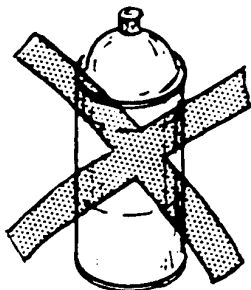
Make a "pittillator" and hang it near the latrine for hand washing.



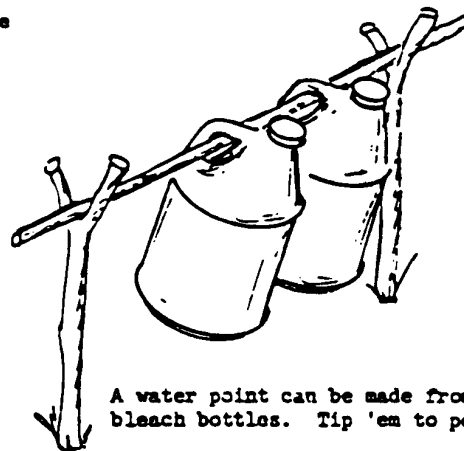
A forked stick with a few notches makes a good pot pourer.



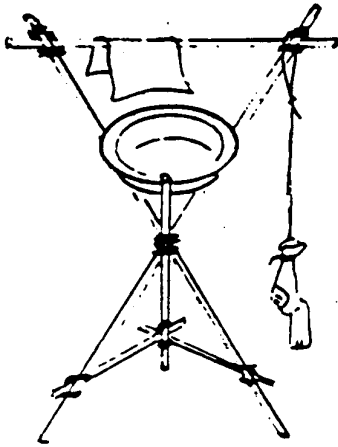
Coathanger wire has endless use around camp.



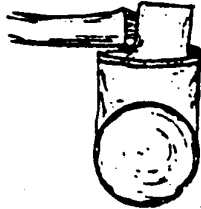
Don't use insect spray or spray repellent in camp.



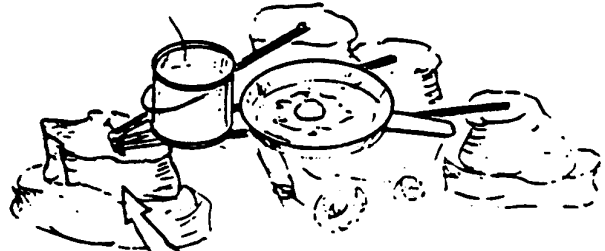
A water point can be made from 1 1/2 gal. bleach bottles. Tip 'em to pour.



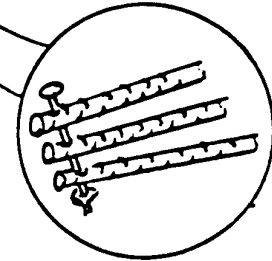
Build a wash stand. Tie the soap in an old sock and hang on a string -- it won't fall in the dirt



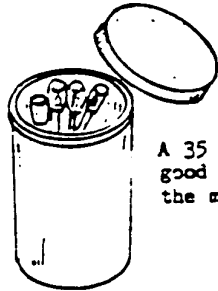
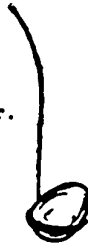
Try using a flattened tin can as an ax sheath



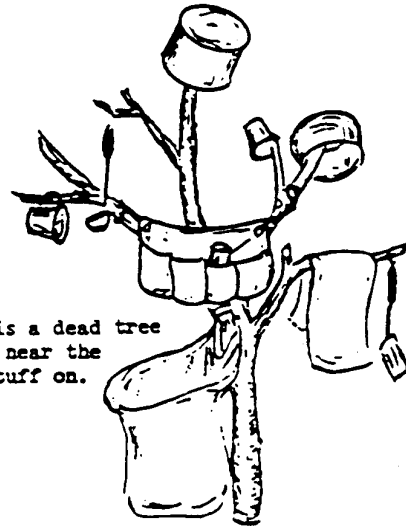
Drill holes in the ends of lengths of reinforcing rod. Fasten loosely with a bolt.



A loop of wire makes an egg lifter.

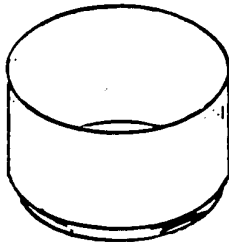


A 35 mm film can makes a good match box if you cut the matches down to fit.

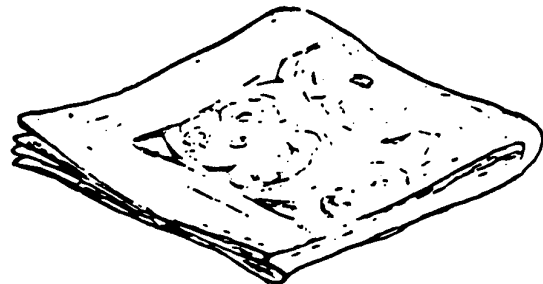


A "kitchen tree" is a dead tree or branch planted near the kitchen to hang stuff on.

Cut out the bottom of a bleach bottle for a mixing bowl. Use different sizes and nest 'em.



Roll down the plastic bag of biscuit mix, make a little hole in the mix and add 1/4 teaspoon of water. Stir with the twixer to "twix" up a biscuit. Bake it on the



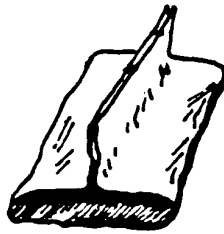
A pair of pliers and a bandana handkerchief are the chuckwagon cook's favorite tools. Use a blue bandana for the nose and a red one around the fire!

# More Gizmos, Gadgets, & Gilhickies

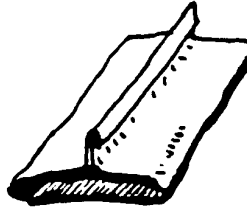
## COOKIN' WITH FOIL



Place food in center of foil



Bring sides up loosely



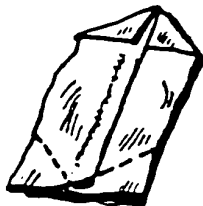
Fold top 1/2" down, crease



Fold top down again. Don't crease.



Fold top down flat. Press ends together



Fold corners over along dotted lines.



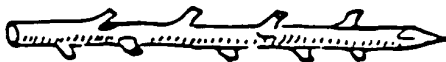
Fold pointed ends over 1/2".



Fold ends over again.



Place on coals



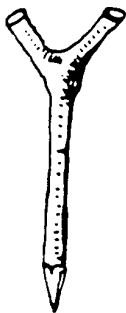
Meat Loaf Stick: The barbs or branches keep the meat loaf from turning. Make 1/2" in diameter, 12" long.



Shishka-Stick: About 1/2"x 12". Punch through the meat for kabob. Flatten one side to meat won't slip.



Temp Stick: Used for heat control. The lower the fork, the hotter. Pegs in the stick work too.



Forked Stick: Used in pairs to hold Shiska-stick, egg stick, or meat loaf stick.



Egg Stick: About 1/4"x 12". Whittle so it has 3 sides. Place across forked or temp-stick.



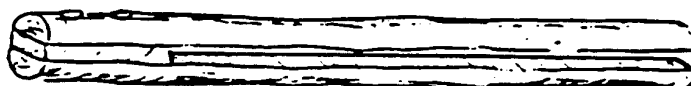
Twixer: Used for stirring dough to "twix" up biscuits.



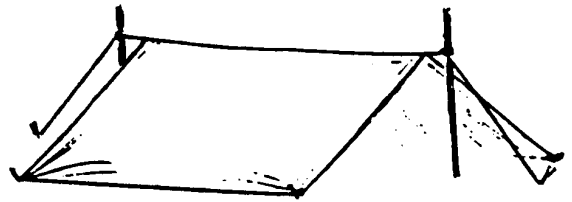
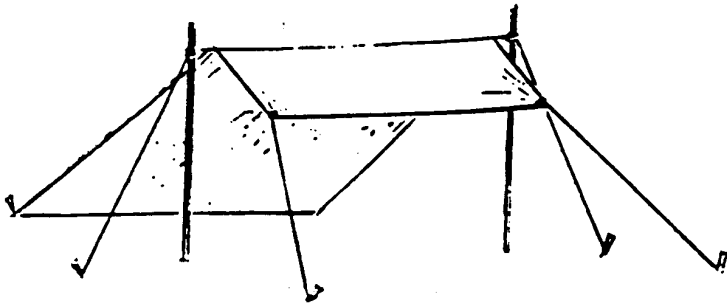
Spear Stick: About 1/4"x 12". Use to spear meat from fire.



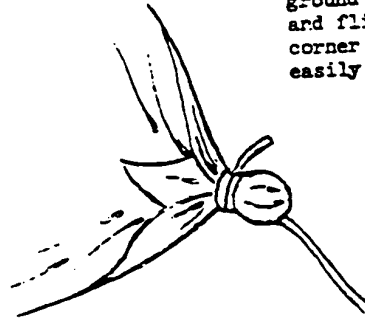
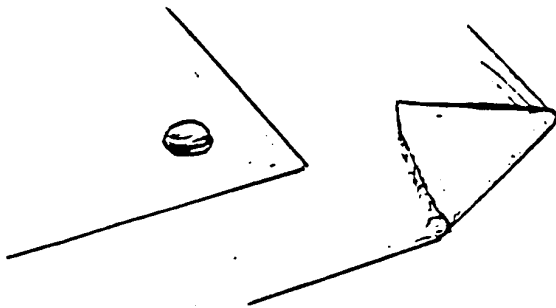
Twist Stick: About 2 1/2"x 12". Wrap biscuit dough around in a spiral. Notches keep the twist in place.



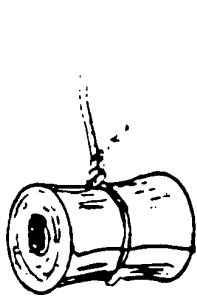
Whittled down sticks can be



Builder's plastic can be used for ground cloths and to improvise tents and flies. Tie a small stone in the corner with the tent rope. It won't easily rip out.

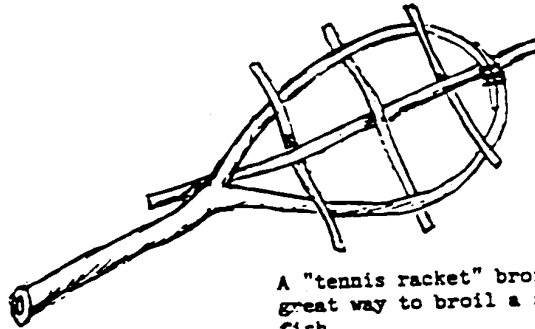


Film cans make good personal salt & pepper shakers. Close the top with tape - stick it on the side when in use.

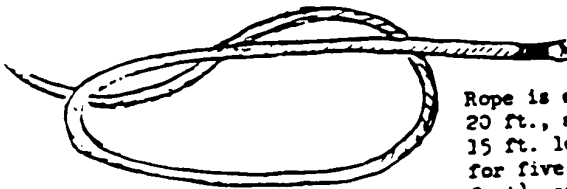


Dip with toothpick

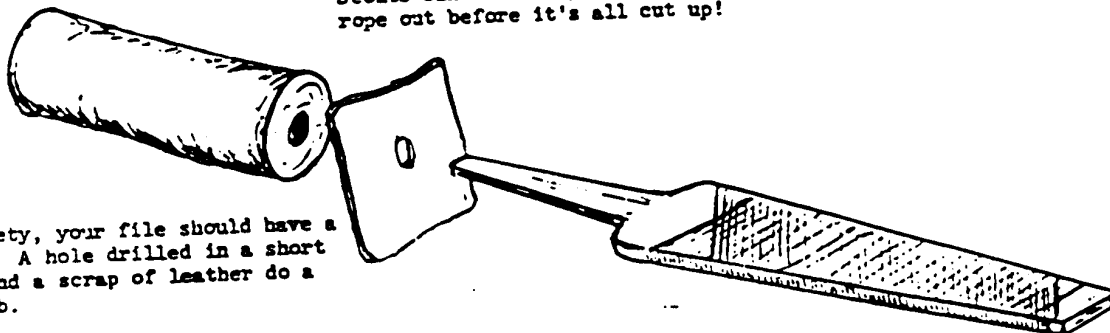
Cubes of Celotex or short rolls of newspaper, dipped in paraffin make good fire starters. Nick 'em to light. **WARNING:** Always melt paraffin in a pan of water to prevent fire.



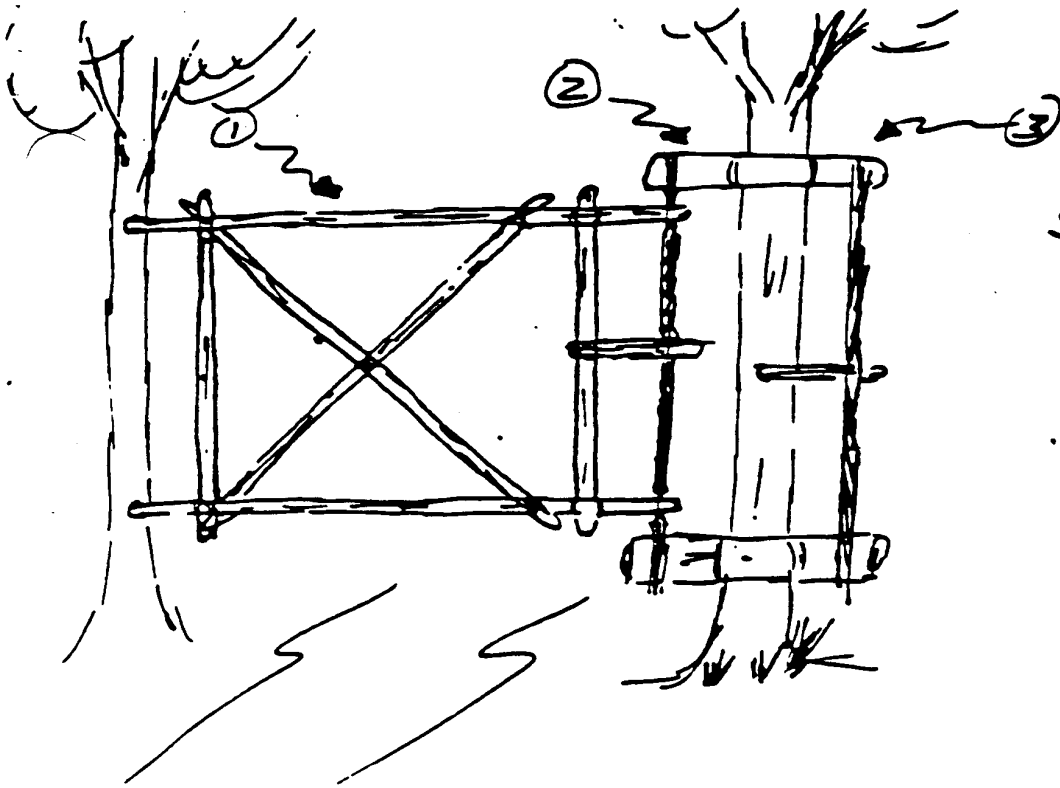
A "tennis racket" broiler is a great way to broil a small steak or fish.



Rope is expensive and here's how to conserve it. Cut rope into 15 ft., 20 ft., and 25 ft. lengths. Whip the ends. Paint the whippings on the 15 ft. lengths with red paint. Three letters in red - each letter stands for five ft. Paint the 20 ft. lengths with blue (4 letters x 5 ft. is 20 feet), and the 25 ft. lengths with green paint. Set the standard that rope is never cut - tuck in what you don't need or get a shorter piece. Scouts can instantly identify the lengths and you'll probably wear the rope out before it's all cut up!

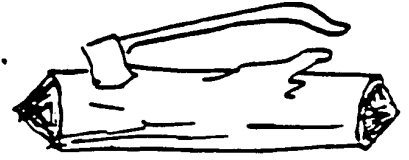


For safety, your file should have a handle. A hole drilled in a short stick and a scrap of leather do a fine job.

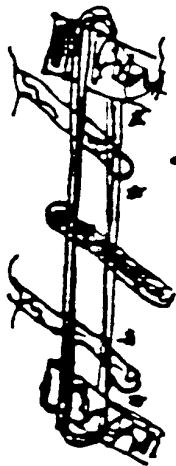


# Swinging Gate

92-21

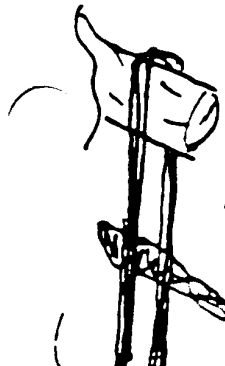


1. Construct Gate from small material to hold down weight.
2. Hinge assembly



- ← Support Lashed to Tree (Top)
- ← Top of Gate (may be knothole slightly to hold Tension line.)
- \* AT These points wrap small Line around and pull Tight to secure Tension line to gate. Tie off with Square Knot
- ← Tension Stick is twisted to give spring action to the gate. Longest end of stick hits gate to cause it to Close
- ← Bottom of Gate
- ← Support Lashed to Tree (Bottom)

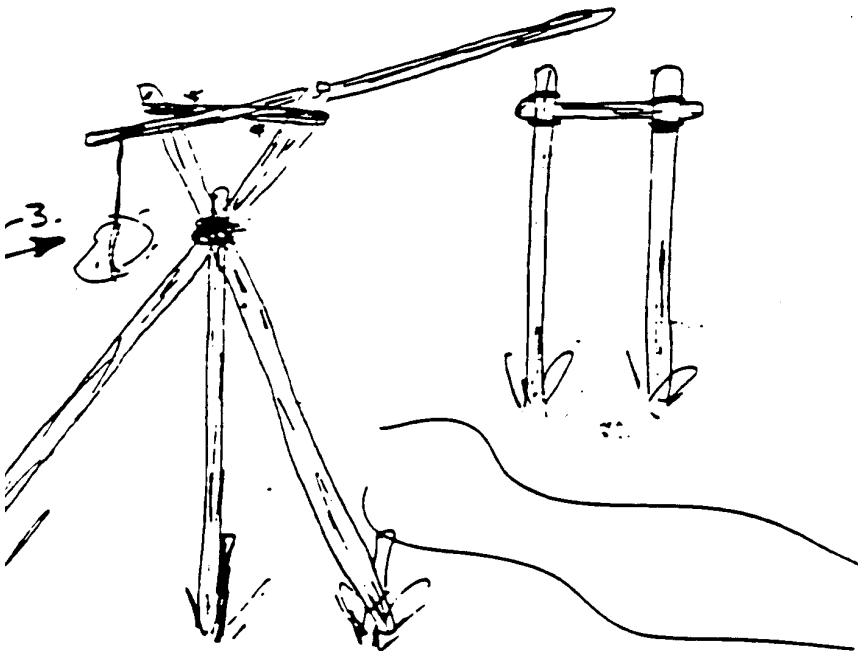
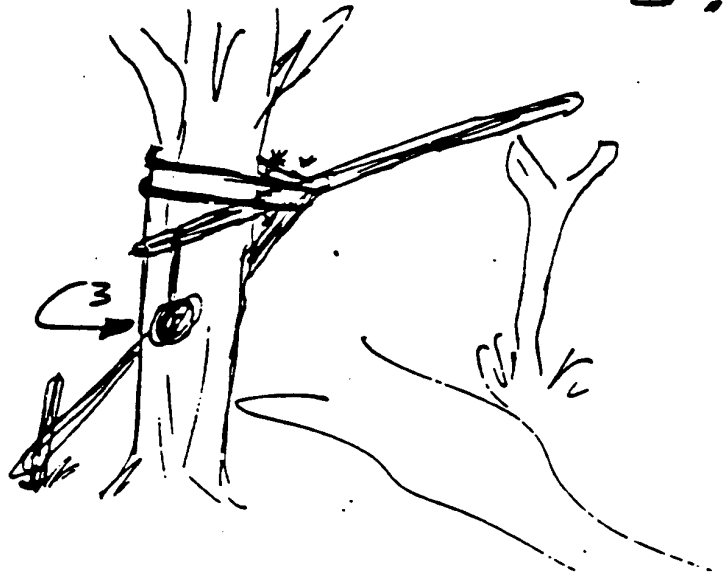
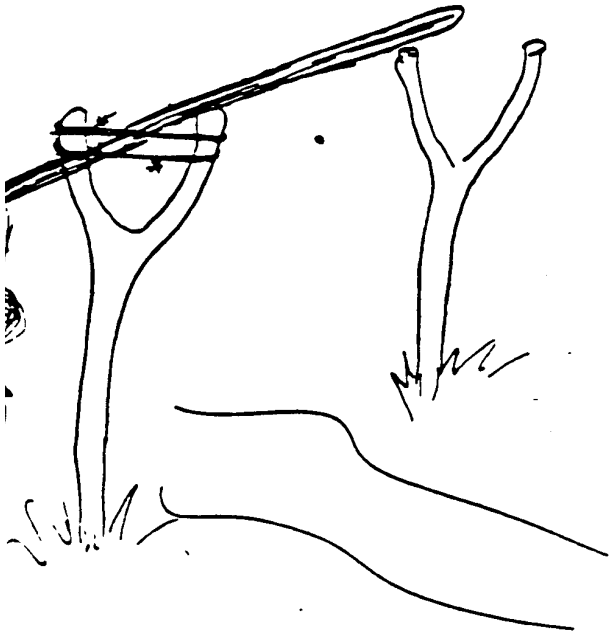
## 3. Support Assembly



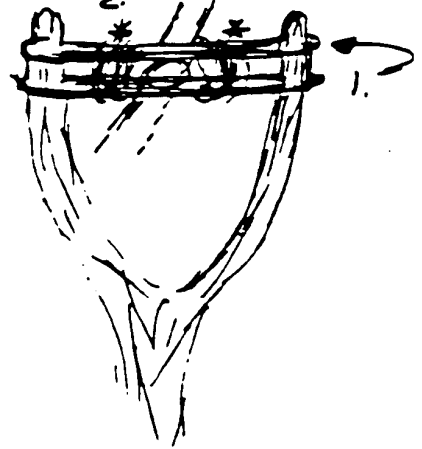
- ← Supports should be strong enough to hold The load.
- ← Tension Line should be of a Type that will take tension by twisting and strong enough to hold the load (Small Nylon Line is good.)
- ← Tension Stick use to equal Tension on



# Counter Balance Gate



End View of Hinge

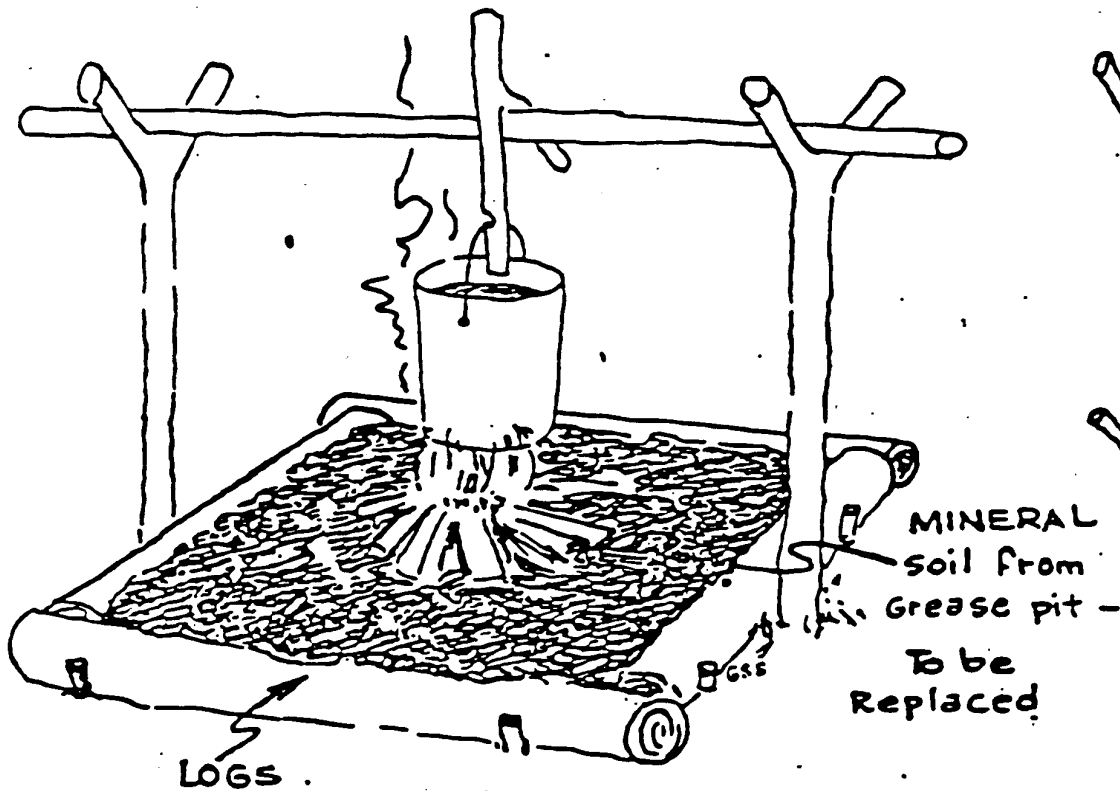
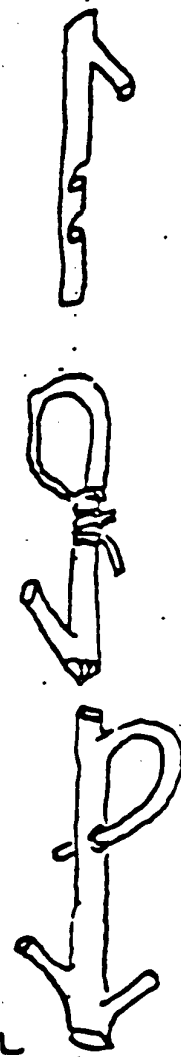
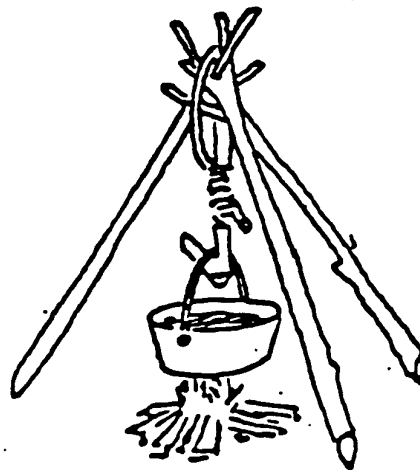
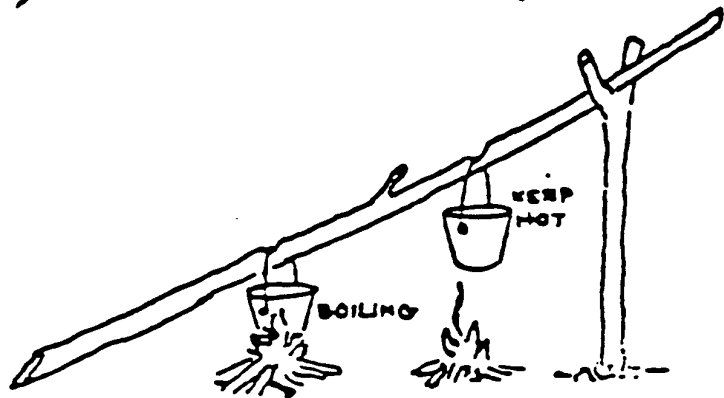
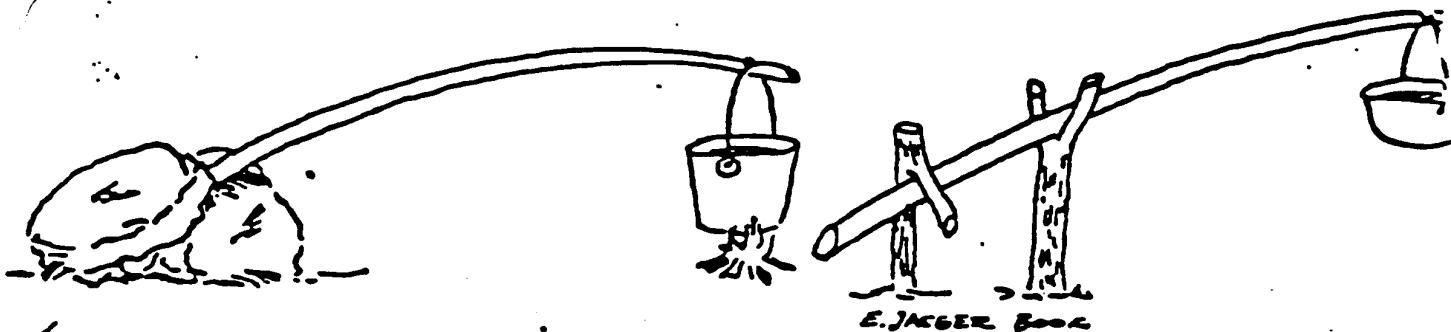


1. Hinge Line can be any Light Line including Binders Twine. (Twine may Loosen so give it several wraps.)
2. Wrape Hinge Line with same material, Tight en to hold "Gate" in place.

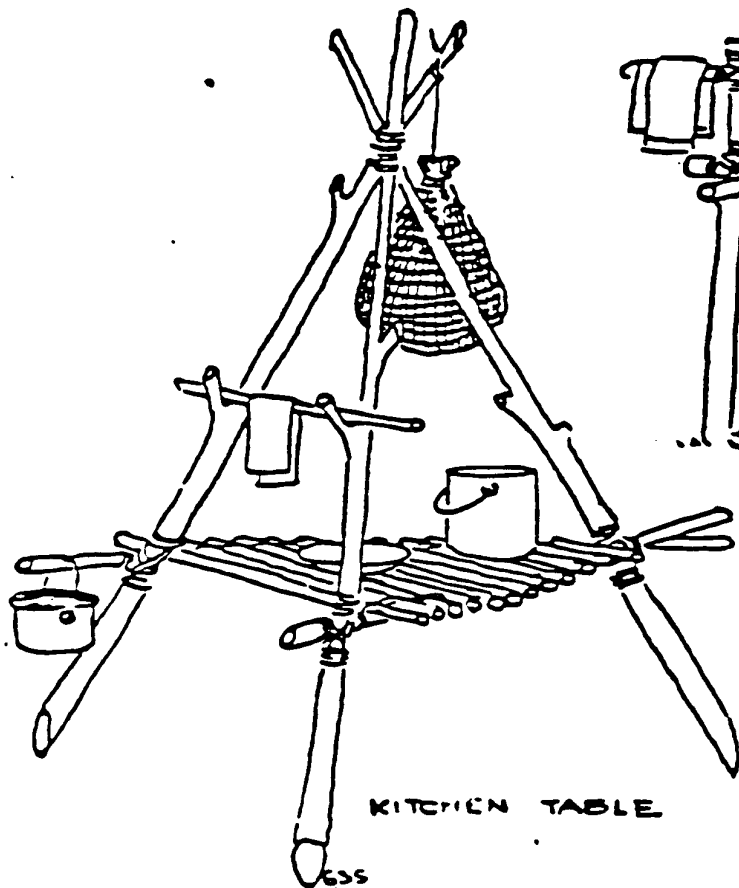
3. Counter Balance Gate with weight to cause re-closing of gate.



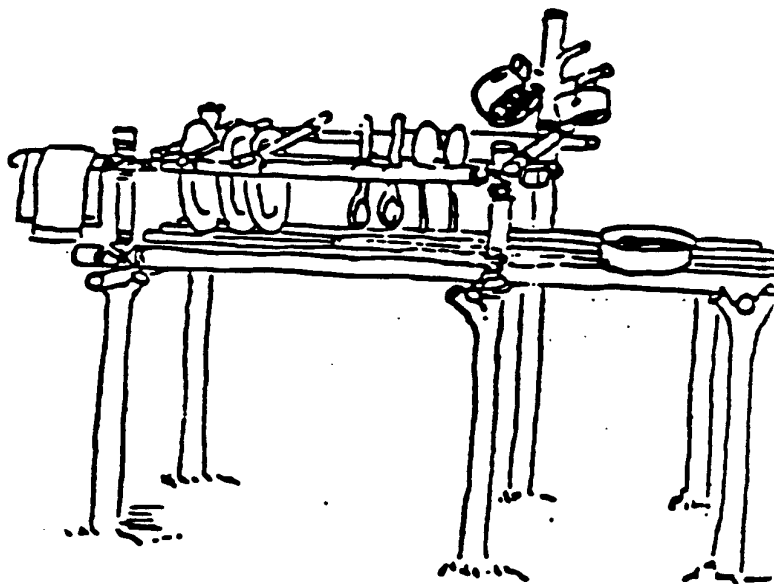
# COOKING FIRES



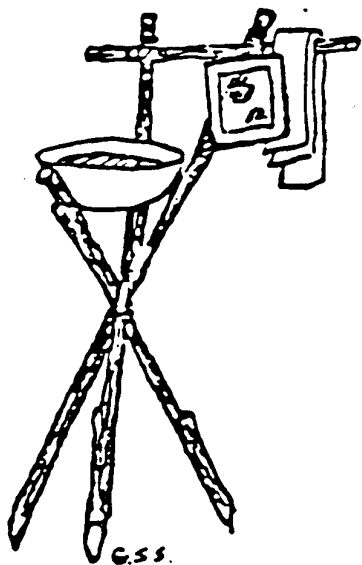
This Type of Ground Fire will not Leave scorch Mark on mineral soil.



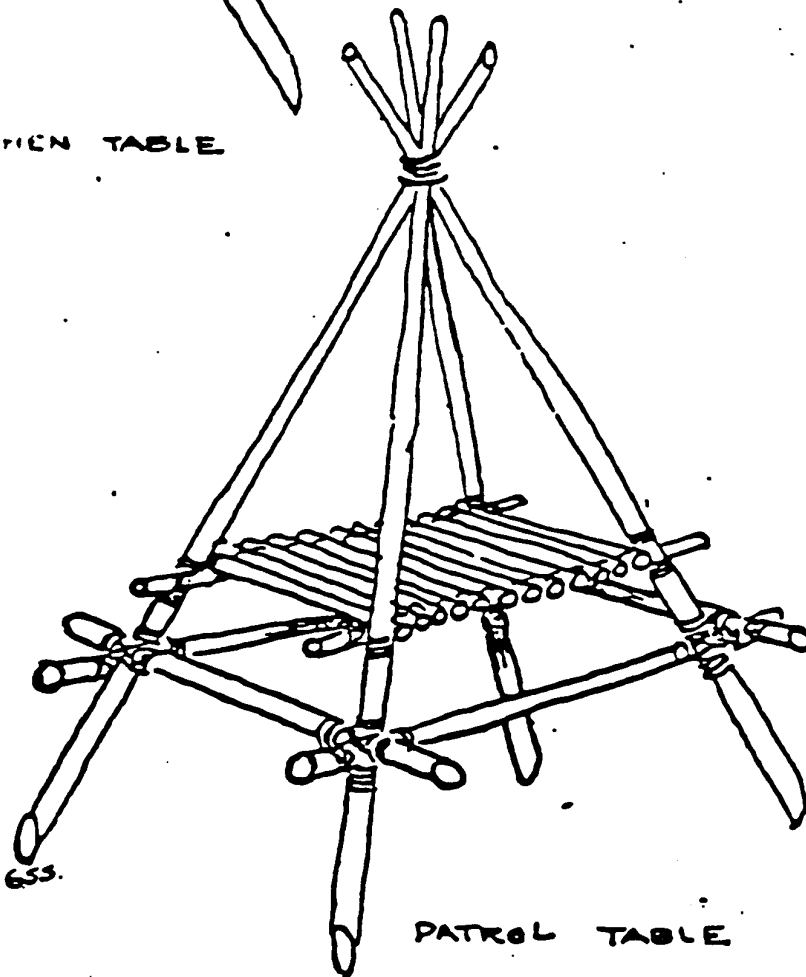
KITCHEN TABLE



KITCHEN WORK TABLE



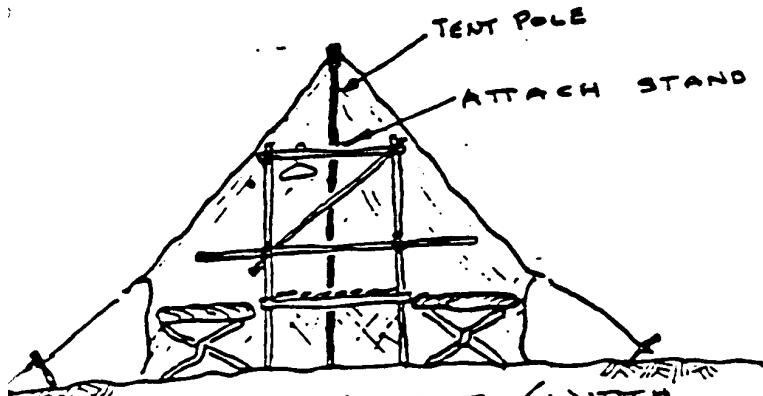
G.S.S.



PATROL TABLE

# LONG-TERM CAMP WOODCRAFT

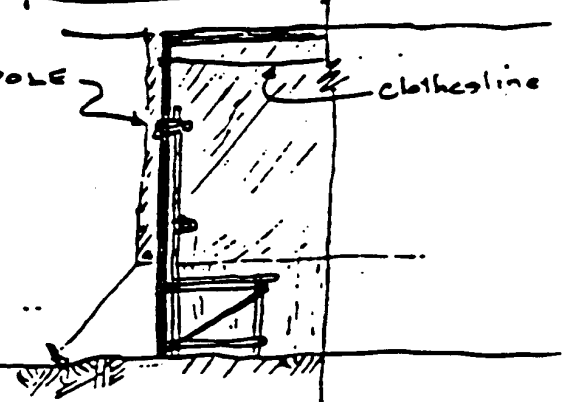
-235-



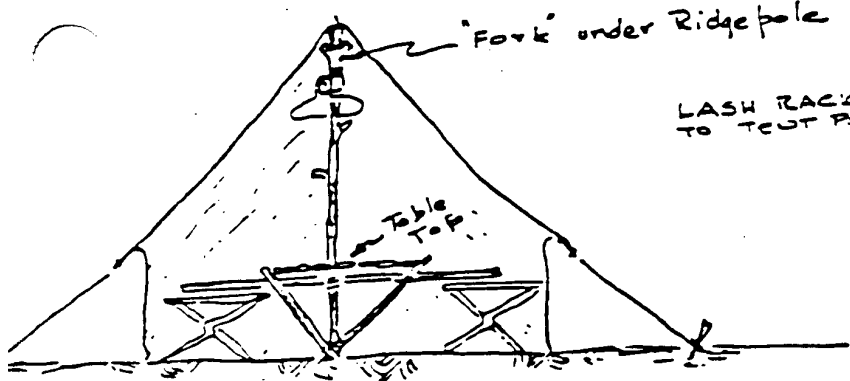
K. LIMITS: TO HEIGHT / WIDTH OF TENT

FRONT  
(A)

## CLOTHES RACKS & TABLES

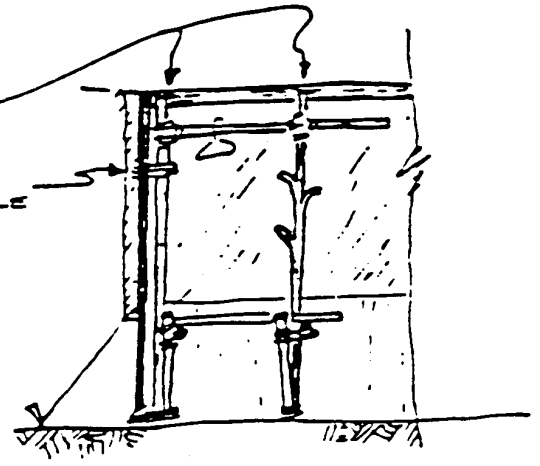


SIDE  
(A)

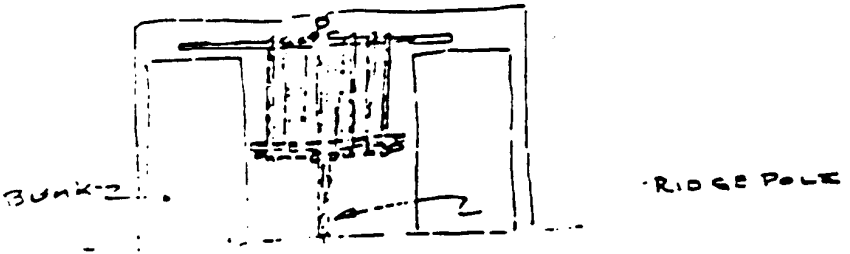


LASH RACK TO TENT POLE

FRONT  
(B)



SIDE  
(B)



FRONT  
(C)

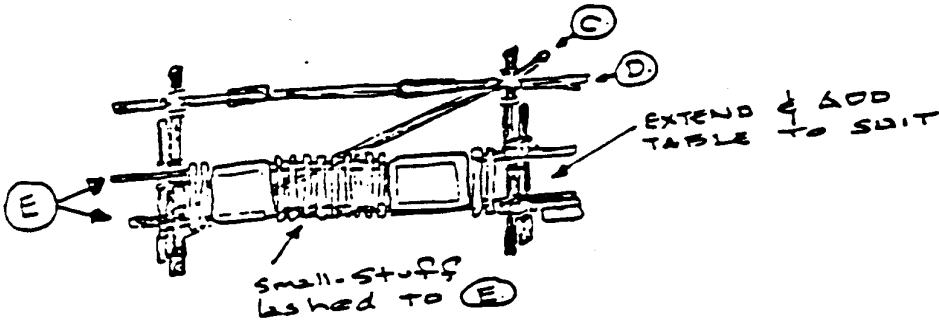
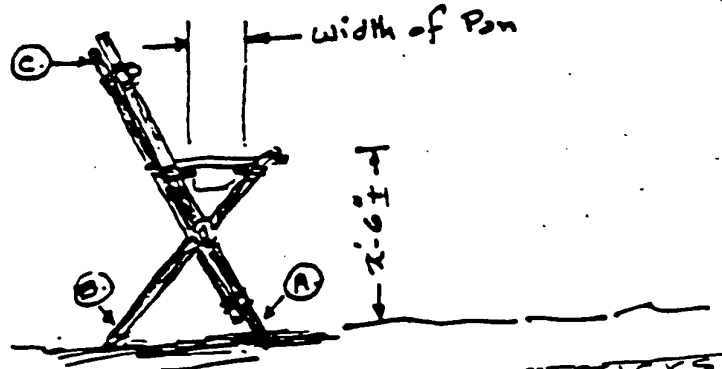
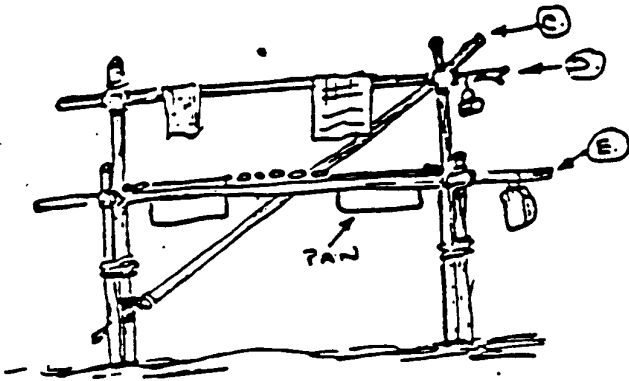


# LONG-TERM CAMP WOODCRAFT IDEAS

-236-

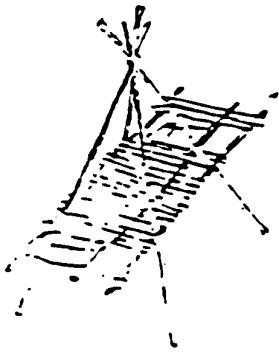


## DUPLEX WASH-N-SHAKE

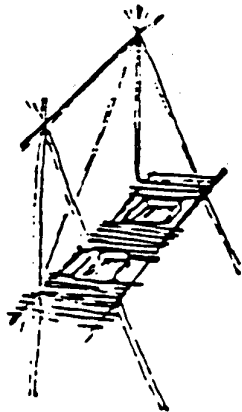


- NEEDED STICKS
- (A) 2 pcs - (3/4" - 1") x 6'0"
  - (B) 2 pcs - ( ) x 3'6"
  - (C) 1 pc - (1/2" - 3/4") x 8'0"
  - (D) 1 pc - ( ) x 7'±
  - (E) 2 pcs - (3/4" - 1") x 7'±
- ADJUST TO SUIT

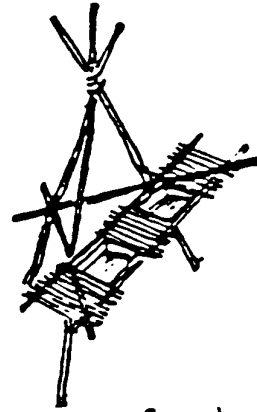
## Some Other Ideas



4-Leg



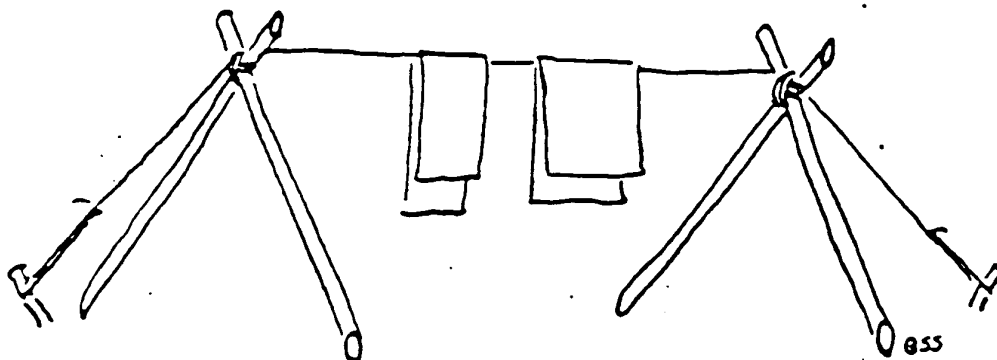
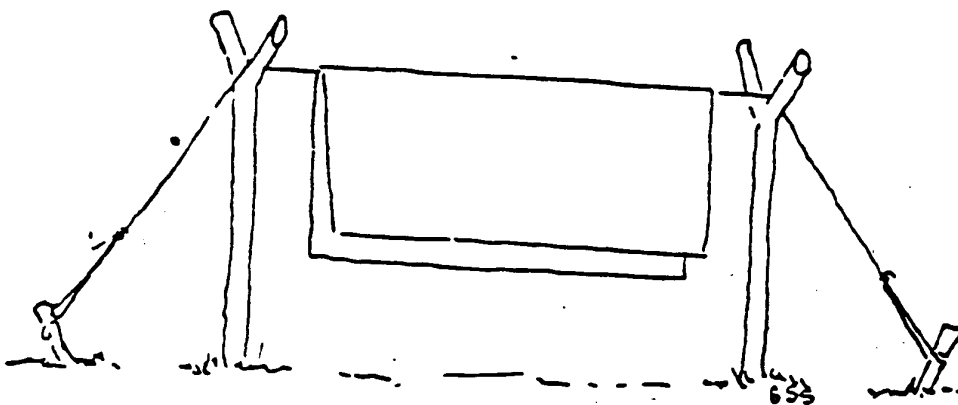
A. Frame



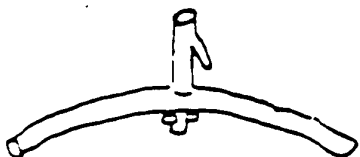
Tripod



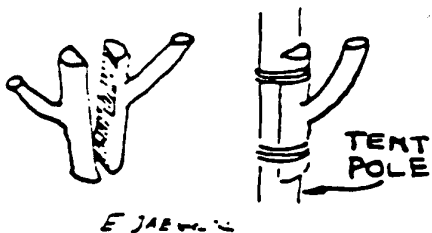
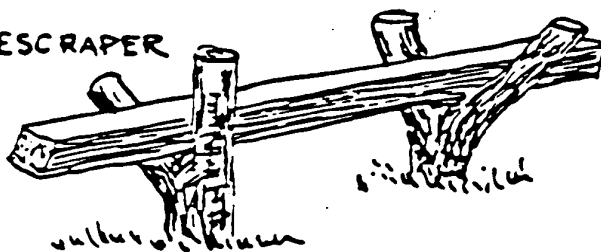
# PATROL GADGETS



CLOTHESLINE

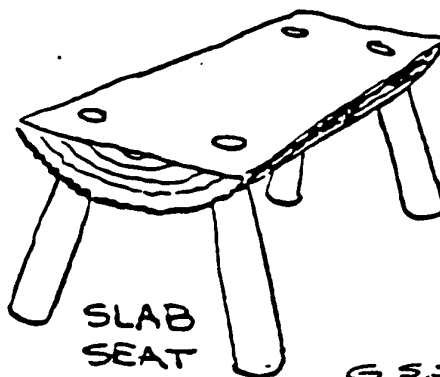
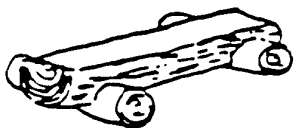


SHOESCRAPER



E JABWICK

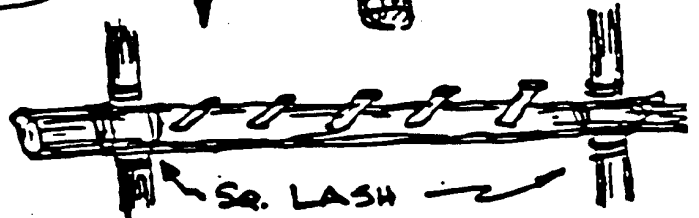
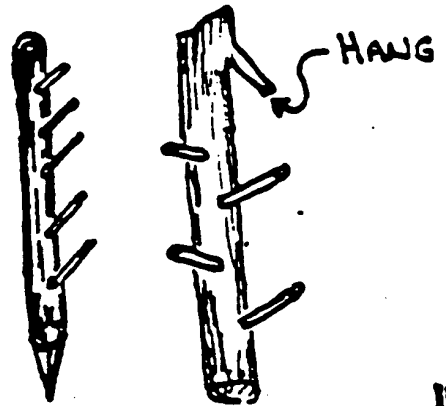
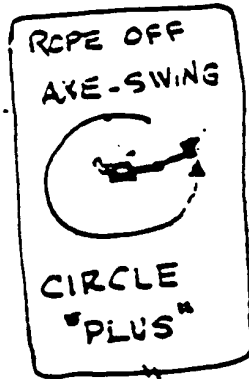
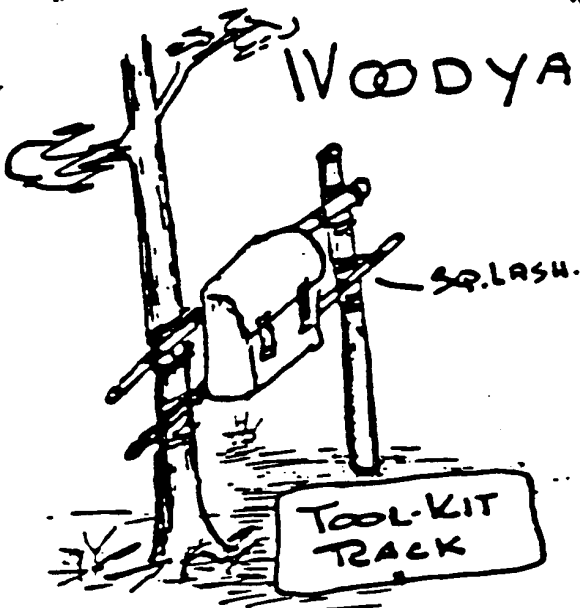
TENT POLE



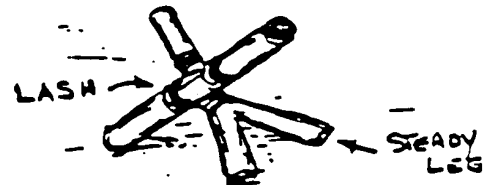
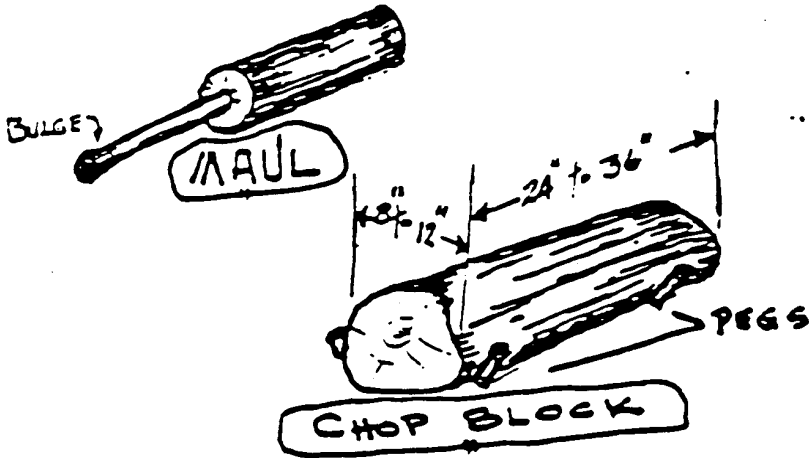
SLAB SEAT

G.S.S.

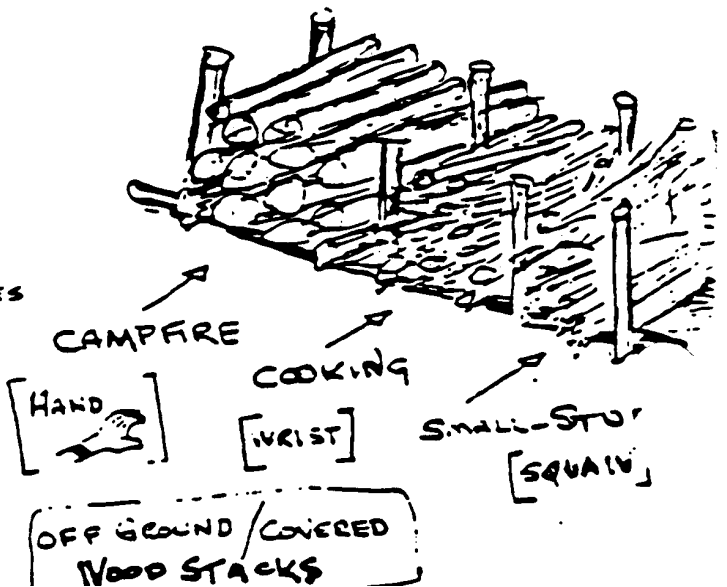
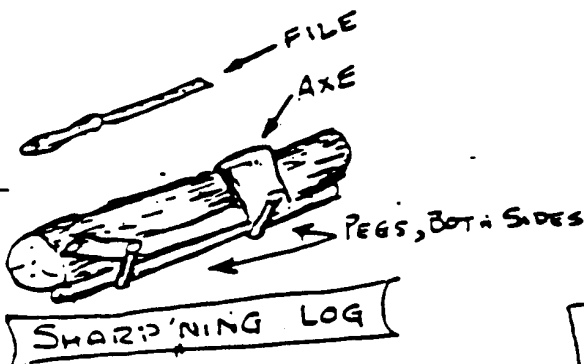
# WOODYARD, IDEAS, ETC.



HOOKS AND PEGS



SINGLE SAWHORSE

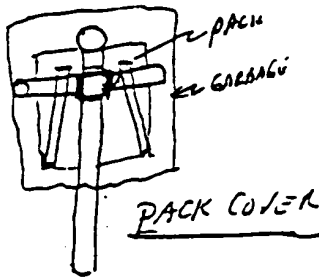


# SOME USES OF PLASTIC GARBAGE BAGS OR SCRAP PLASTIC.

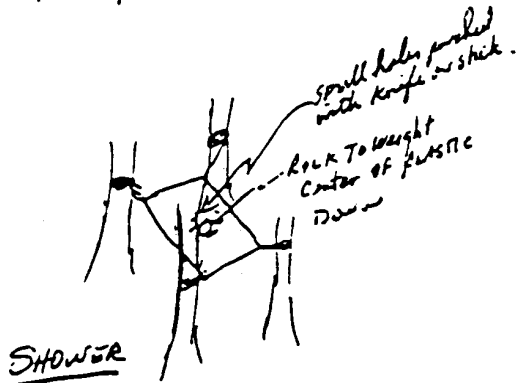
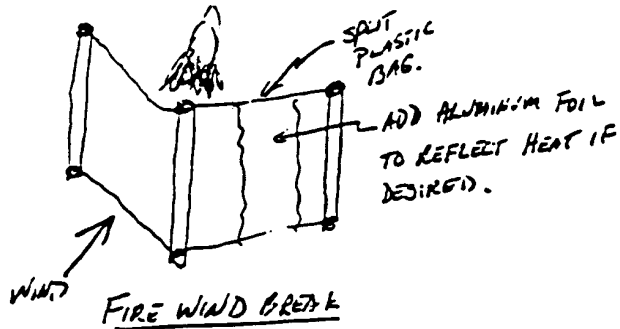
1. FIRE WIND BREAKS
2. DISHWASHING BASIN
3. TRIPOD WASH BASIN
4. GROUND CLOTH
5. RAIN COAT OR WIND PROTECTION

6. WOODPILE COVER
7. PACK COVER.
8. SLEEPING BAG COVER.
9. SOLAR STILL
10. RAIN WATER CATCH.
11. SHOWER
12. TOILET PAPER USER

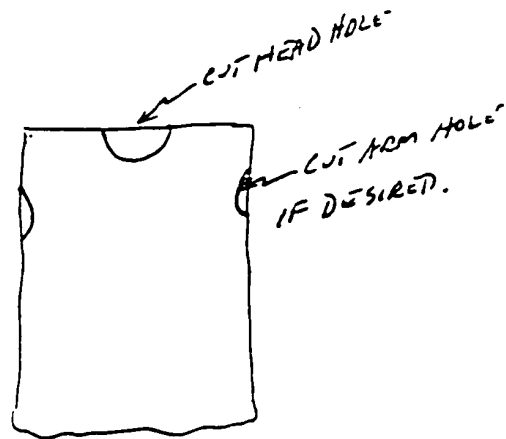
13. MIXING BOWLS
14. PROTECT ITEMS LEFT OUTSIDE TENT
15. WRAP FOOD ITEMS FOR SMOOTHERING IN CREEK FOR COOLING.



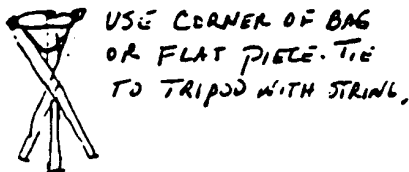
IF LASHING ON TREE  
SPLIT CENTER OF BAG.  
FLY FROM OPEN END TO BOTTOM.



USE BUDDY SYSTEM TO  
POUR WATER FOR YOUR  
SHOWER



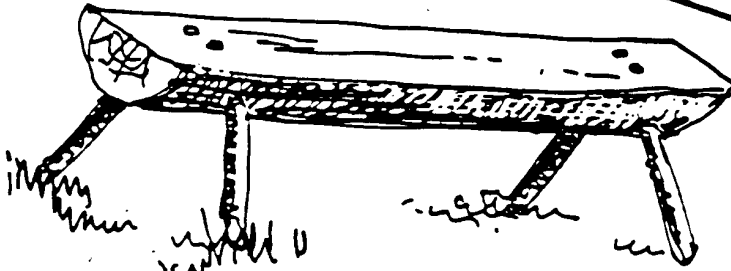
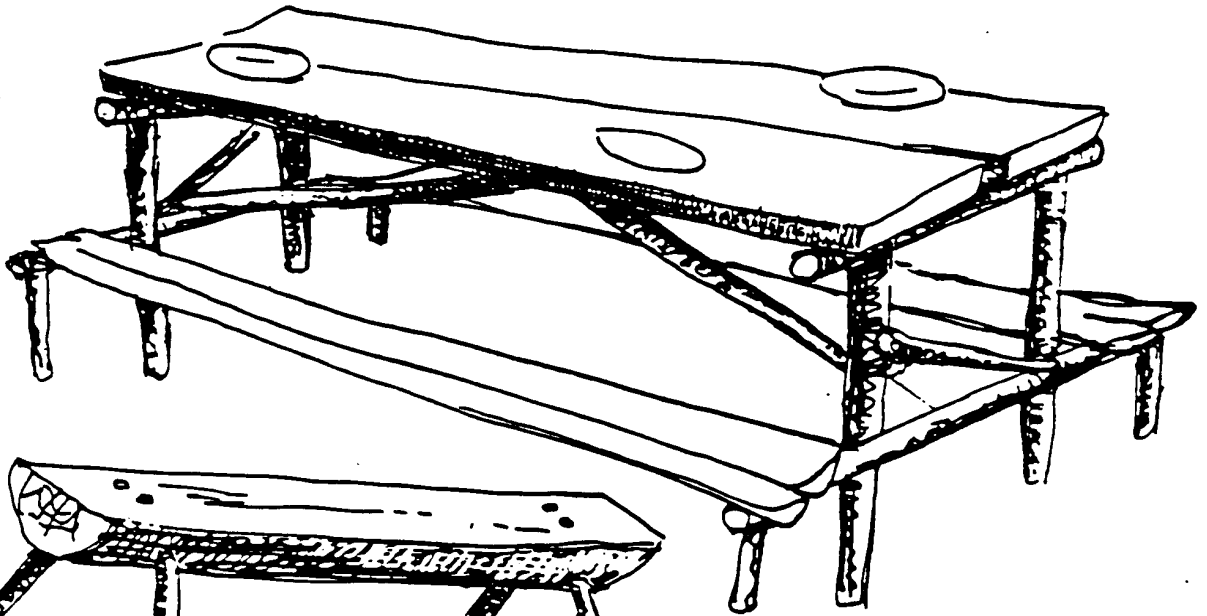
RAINCOAT



WASH BASIN

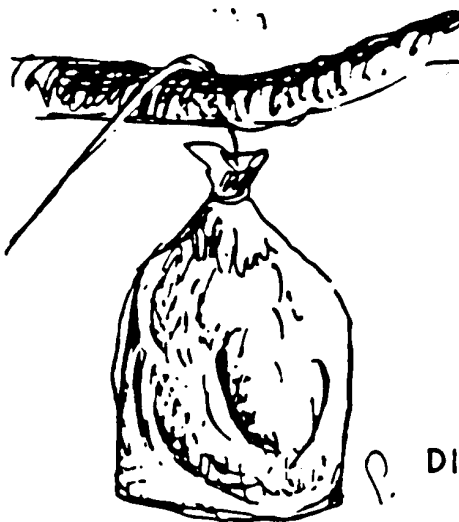
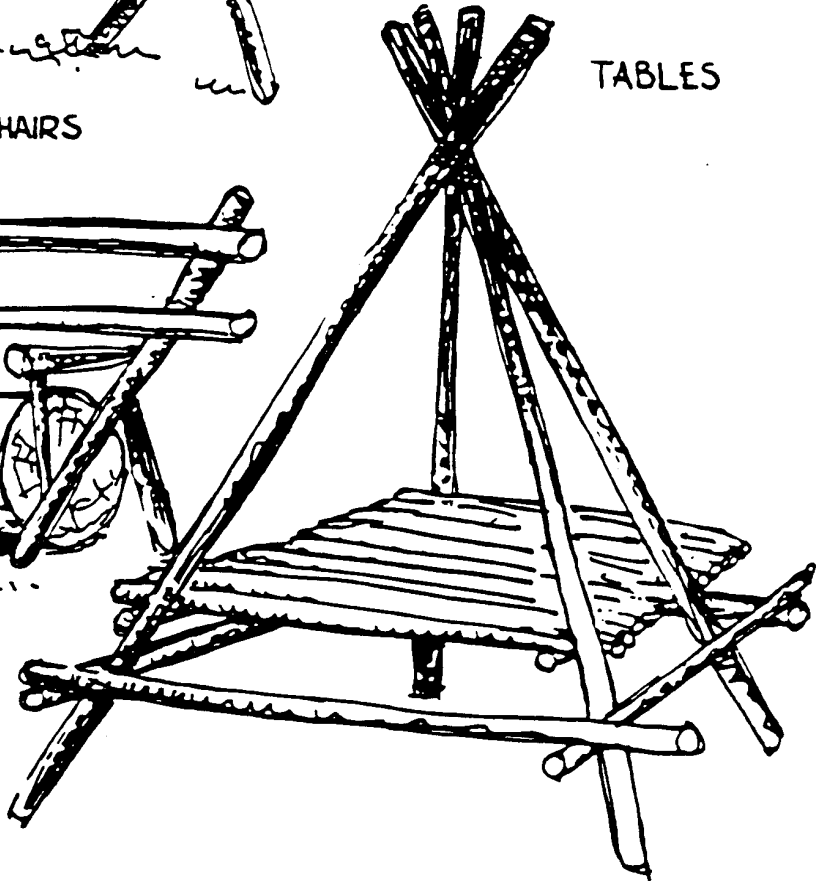
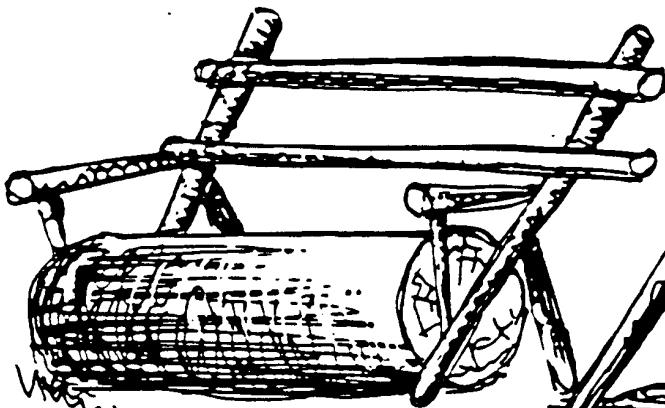
THE USE OF PLASTIC IS ONLY RESTRICTED BY THE LIMITS OF YOUR IMAGINE. BAGS ARE ABOUT 10¢ A BAG AND INEXPENSIVE FOR DISPOSABLE USES.

# WOOD BADGE COURSE



RUSTIC CHAIRS

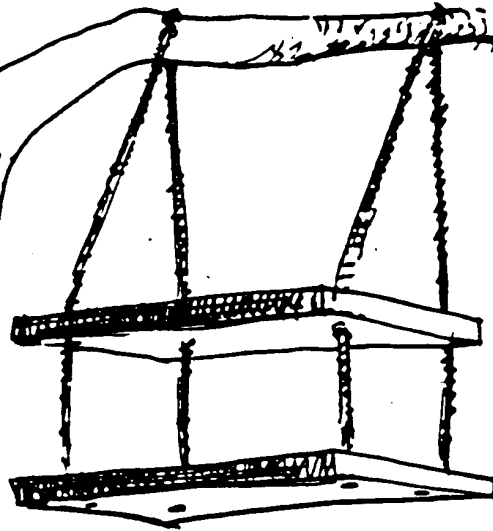
TABLES



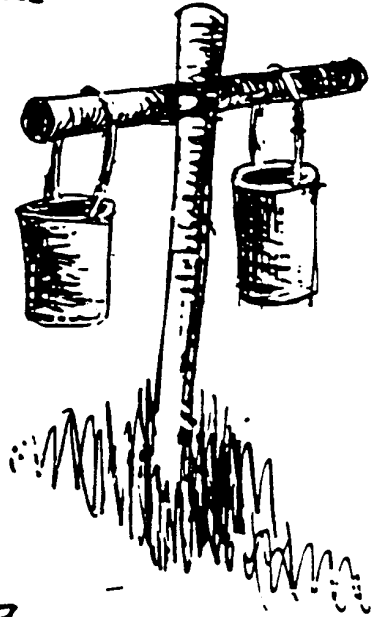
DISH STORAGE SACK



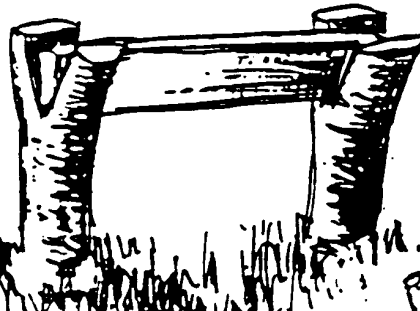
# WOOD BADGE COURSE



HANGING SHELVES



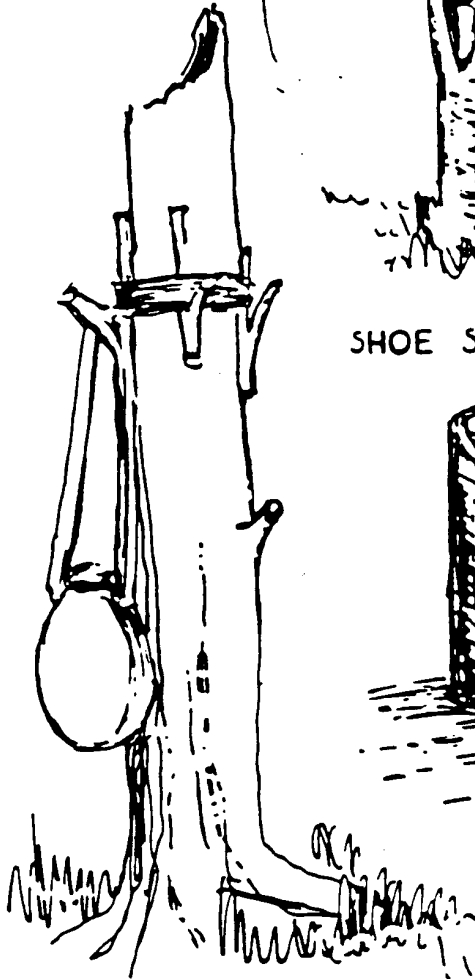
FIRE PAILS



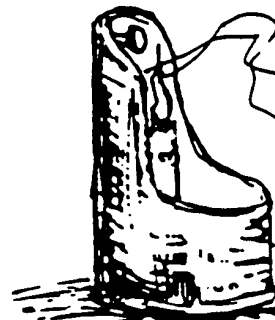
SHOE SCRAPER



SHOE RACK



RUSTIC HANGERS

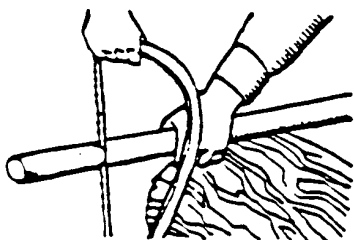


CANDLE LANTERNS

# PIONEERING PROJECT

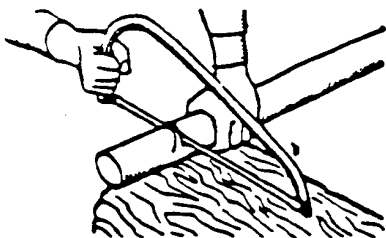
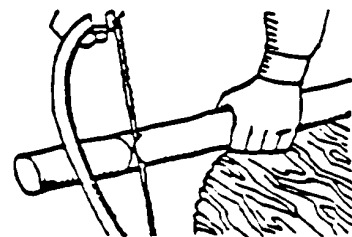
**H**ERE'S A UNIQUE METHOD for making camp equipment of all types without the use of rope or nails. It's called a dovetail notch. The only tools needed are a bow saw and a pocketknife.

It is suggested that each patrol make a piece of camp equipment using a bow saw. But first of all, you'll need to give the gang instructions on how to make a dovetail notch.



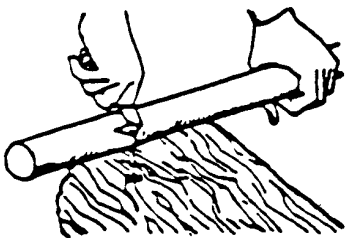
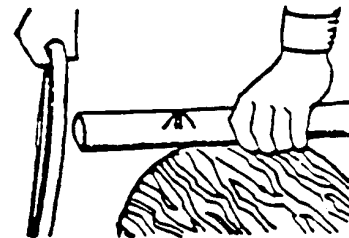
1. Make a cut with the saw that slants to your right, not quite halfway through the pole. Avoid knots. Begin the notch in from the end of the pole to prevent splitting when the dovetail is driven in tight.

2. Now make an equal cut to the left. Notice that the cuts are almost at a right angle to each other. On thicker pieces the notch angle can be sharper.



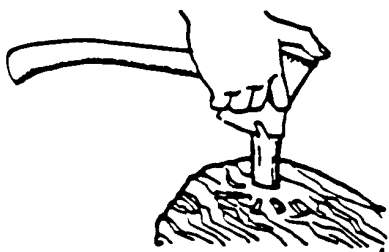
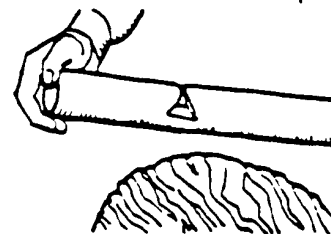
3. Cut straight down to the depth of the side cuts and make another vertical cut to one side of the first.

4. The side cuts outline the dovetail and the center cuts break up the fibers so your knife can pry them out.



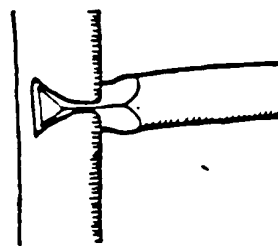
5. Pry out the wood in the notch, first on one side and then on the other. If you haven't cut into a knot, the wood should chip out easily.

6. The cleaned-out notch is ready for a fitting—round stuck or dovetail.



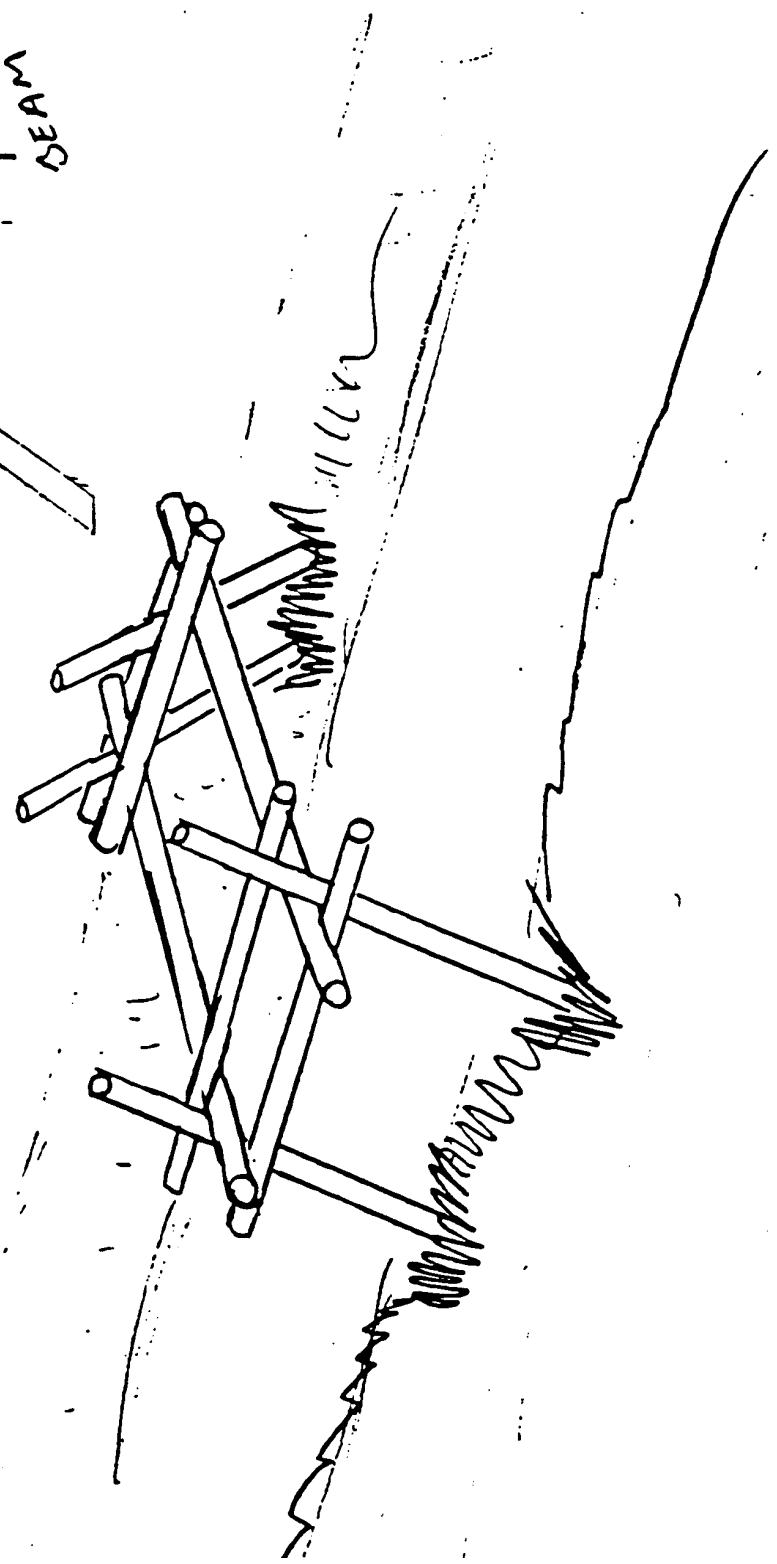
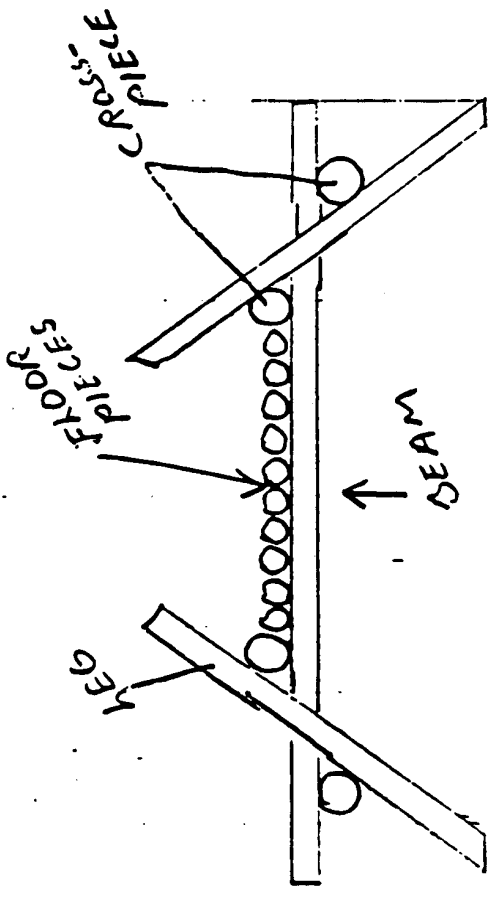
7. With the piece to be fitted held over the notch, shape the base and sides. Make the end a little smaller than the notch.

8. Drive the dovetail into the notch until it jams. If you wish a very rigid joint—one that will support a heavy load—shape this dovetail some more so that it fits through the notch.



# "FRICTION" BRIDGE

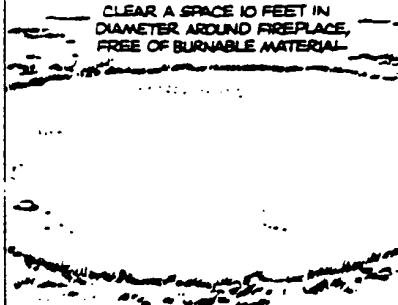
SIDE - VIEW



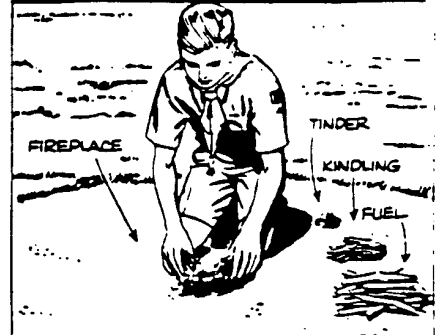
# How To Build a FIRE



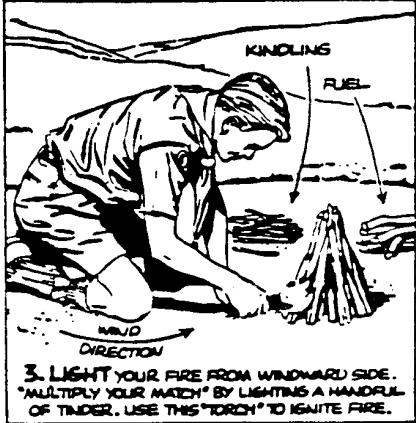
THERE ARE FOUR SIMPLE STEPS IN BUILDING A GOOD FIRE. HERE THEY ARE...



1. CLEAR A FIRE SITE... IN A SAFE PLACE AWAY FROM TREES, BRUSH, OVERHANGING BRANCHES.



2. GATHER ALL YOUR MATERIALS. GET PLENTY OF KINDLING, FUEL... AND LAY 'EM WITHIN EASY REACHING DISTANCE OF YOUR FIREPLACE.



3. LIGHT YOUR FIRE FROM WINDWARD SIDE. "MULTIPLY YOUR MATCH" BY LIGHTING A HANDFUL OF KINDLING. USE THIS "TORCH" TO IGNITE FIRE.



4. FEED YOUR FIRE FROM THE LEE SIDE... KINDLING FIRST, LARGER FUEL NEXT... THAT'S WHY YOU WANT YOUR MATERIALS HANDY!



TOOLS NEEDED FOR YOUR FIRE...  
 FOR A SMALL FIRE... YOUR HANDS  
 FOR A MEDIUM FIRE... YOUR KNIFE  
 FOR A BIG FIRE... YOUR AXE  
 TWO MATCHES

## THERE'S A RIGHT FIRE FOR EVERY PURPOSE!

### COOKING

**HIKE FIRE**  
USE ALMOST ANY KIND OF WOOD... KEEP IT SMALL.

**HUNTER'S FIRE**  
USE LOGS FOR SIDES... LINE UP WITH WIND.

**ROCK FIRE**  
ONE OF THE BEST TYPES OF FIRES—ESPECIALLY FOR SEMI-FIXED CAMP

**TRENCH FIRE**  
FINE FOR WINDY PLACES OR AREAS OF FIRE DANGER... DRAWBACK... FLOODS EASILY.

### WARMTH

**SCOUT FIRE**... SIMPLE, QUICKLY BUILT AND EFFICIENT. ARRANGE AS TEEPEE, ADD FUEL IN CRISS-CROSS FASHION.

**ROCK REFLECTOR**—  
AN EXCELLENT HEATING FIRE. ROCK CONTINUES TO RADIATE HEAT AFTER FIRE DIES DOWN.

**LOG REFLECTOR FIRE**  
MAKES A GOOD WINDBREAK... CHINK LOGS WITH MUD SO THEY WILL NOT BURN TOO FAST.

### FELLOWSHIP

**BACK-LOG FIRE**  
A GOOD COUNCIL FIRE FOR A SMALL GROUP. ALSO FINE FOR COOKING AND HEATING. USE BIG, SEASONED LOG FOR BACK-LOG.

**COUNCIL FIRE**  
THE BEST TYPE OF FELLOWSHIP FIRE. BUILD IT SOLIDLY... NOT AS A HOLLOW "LOG CABIN". PLACE KINDLING AND TINDER HIGH... LIGHT THIS FIRE NEAR TOP.

WHEN YOU'RE FINISHED WITH ANY FIRE, DROWN IT!