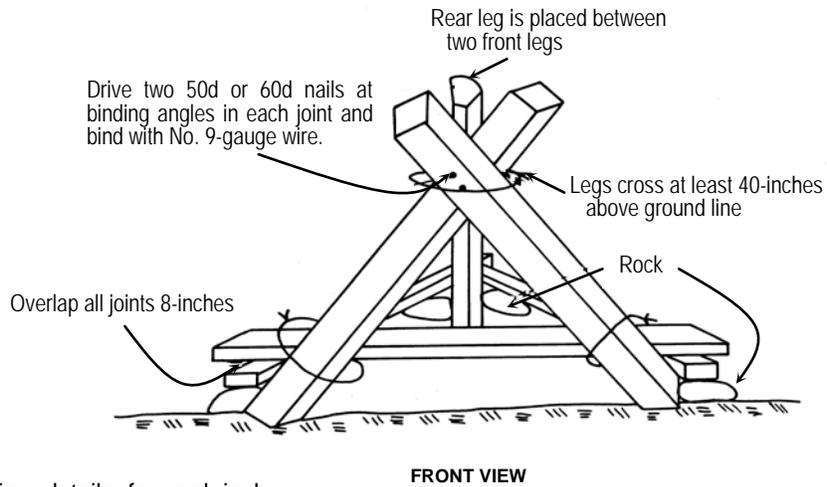


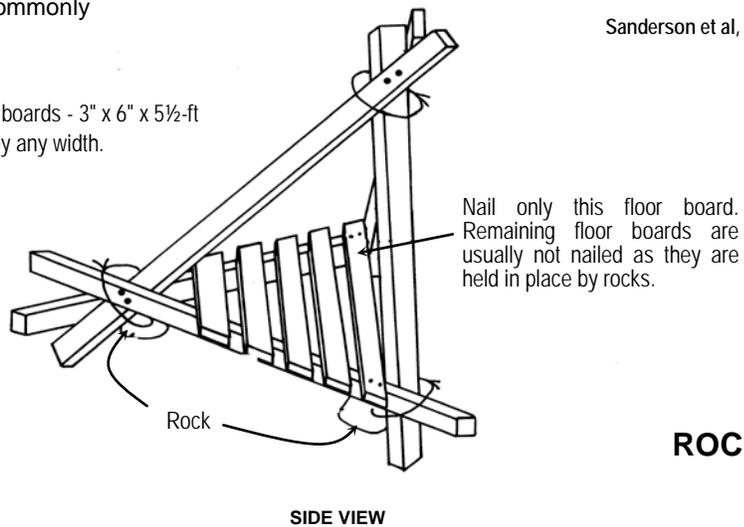
# EXHIBIT 1



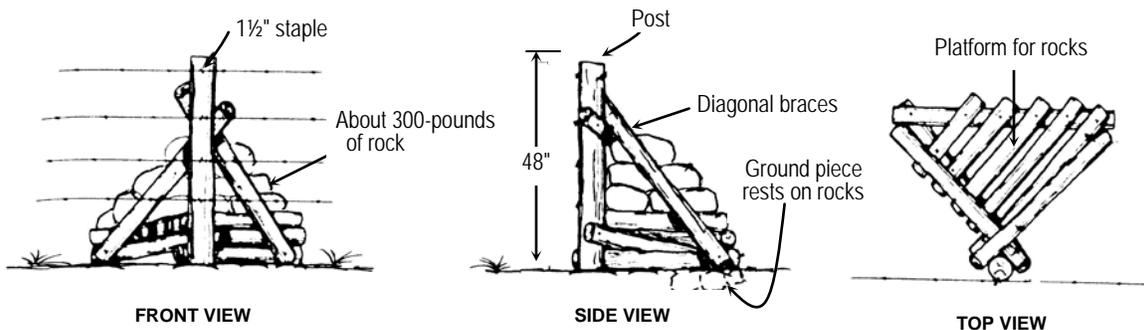
Construction details for rock-jacks used in fence line – commonly called *line-jacks*.

Sanderson et al, 1990

Jack legs and supports: 6 boards - 3" x 6" x 5½-ft  
 Floor: Sound wood 2" thick by any width.



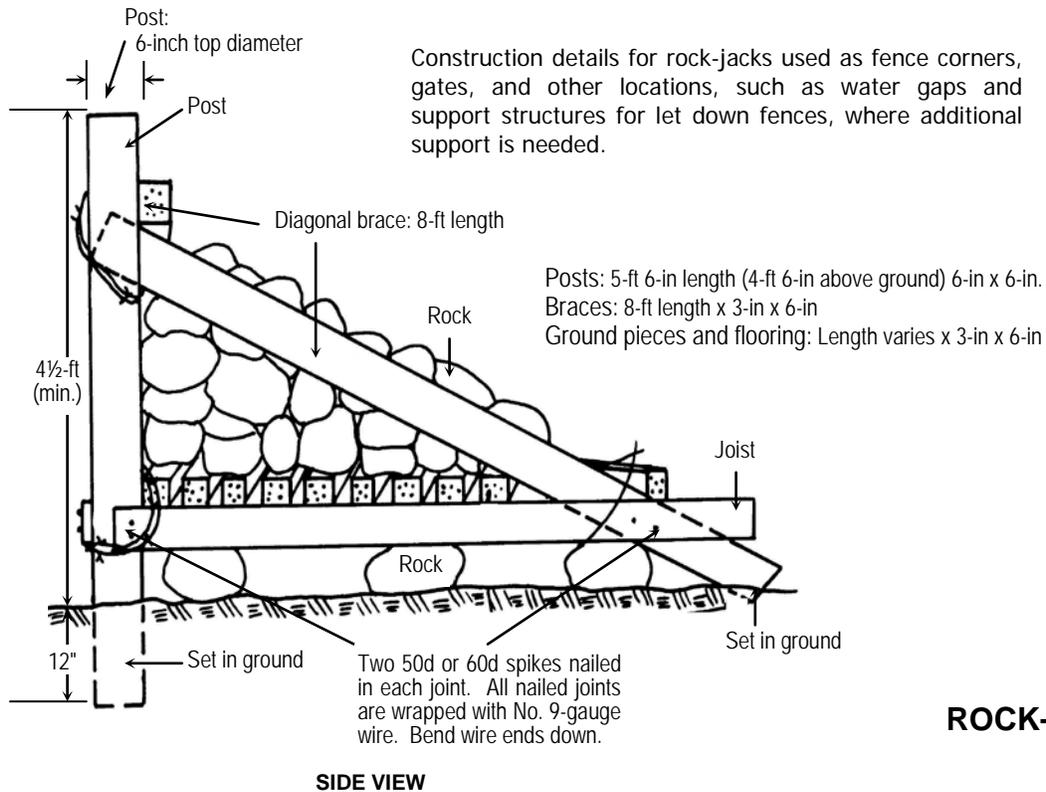
## ROCK-JACK



Rock-Jack Post

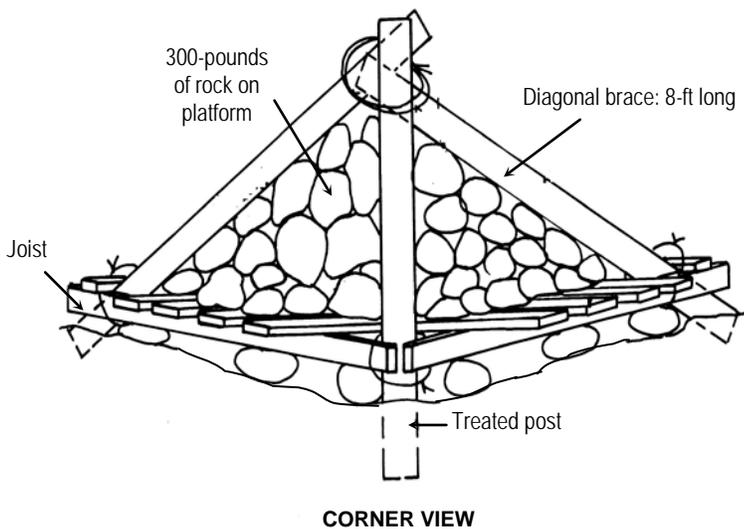
USDI/USFS 2400-Range 8824 2803 (1988)

## EXHIBIT 2



### ROCK-JACK

Sanderson et al, 1990

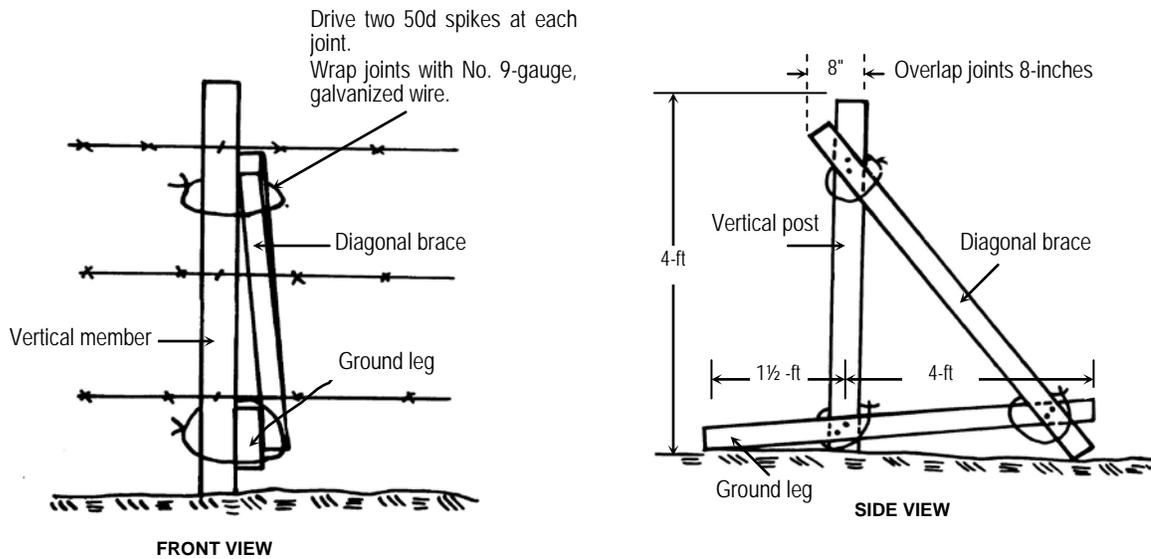


Joints should be notched for snug fit and to allow for half the nail length to be driven into or through each piece. Two 50d or 60d spikes are driven in each joint then double-wrapped with No. 9-gauge, galvanized, wire.

Diagonal braces are parallel with fence line. Joists may cross and attach on the same side of post as the diagonal braces.

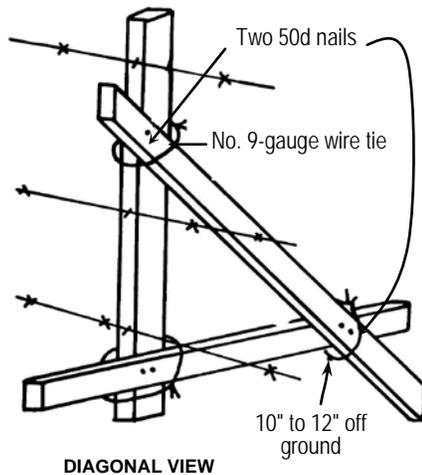
Corners wider than 90° may need additional braces and platform joists.

### EXHIBIT 3



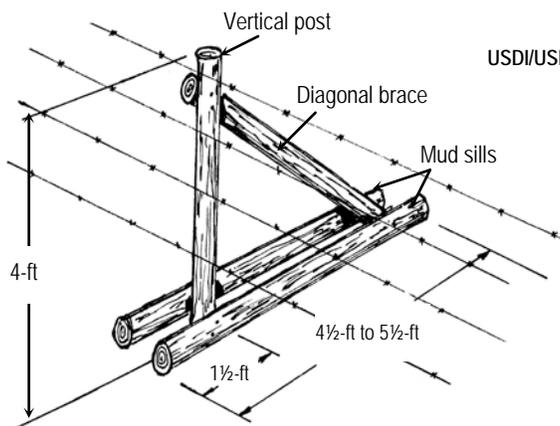
Construction details for Figure-4 fence supports.

Sanderson et al, 1990



Ground leg: 3-in x 6-in x 5 1/2-ft  
Diagonal brace: 3-in x 6-in x 5 1/2-ft  
Vertical post: 3-in x 6-in x 4-ft

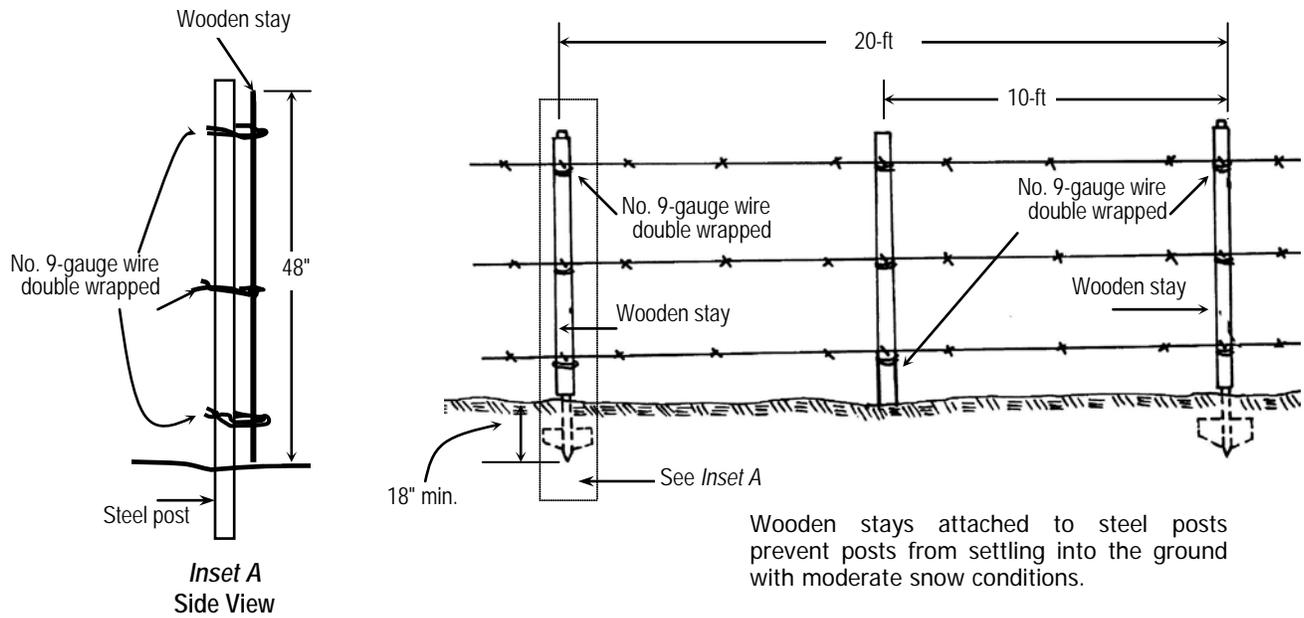
FIGURE-4 FENCE SUPPORTS



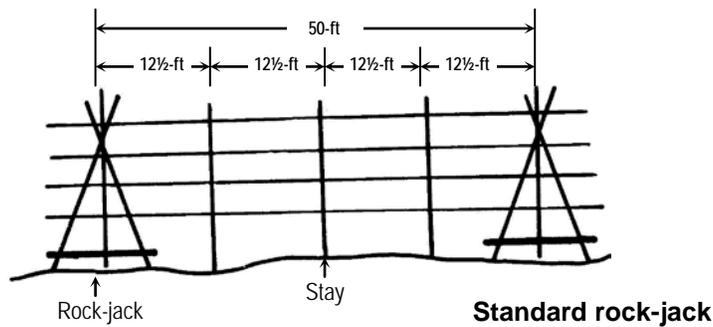
USDI/USFS 2400-Range 8824 2803 (1988)

Over bogs or very wet ground, two long poles (ground legs) are attached to the bottom of the Figure-4 support members to act as floaters. These long poles, or mud sills, keep the Figure-4 posts from sinking into the wet soil.

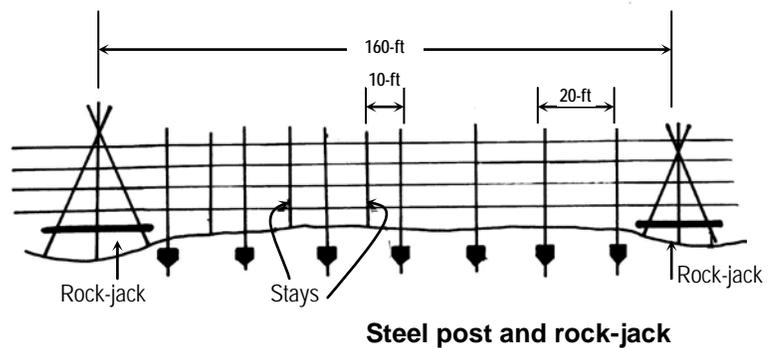
## EXHIBIT 4



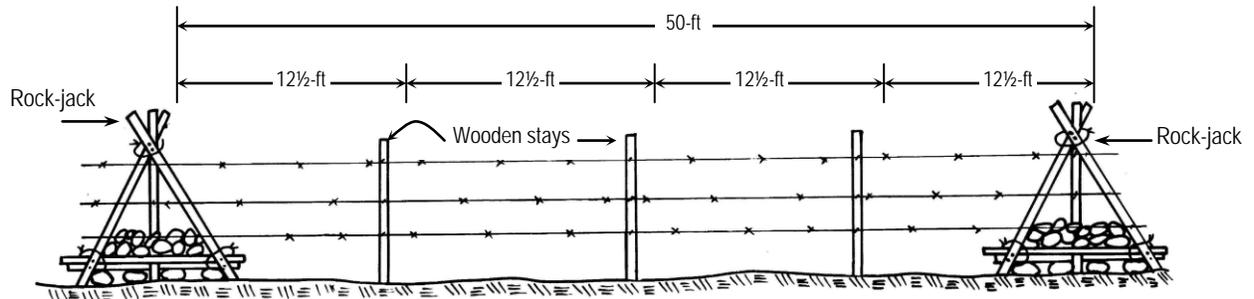
## ROCK-JACKS WITH STEEL POSTS



Sanderson et al, 1990



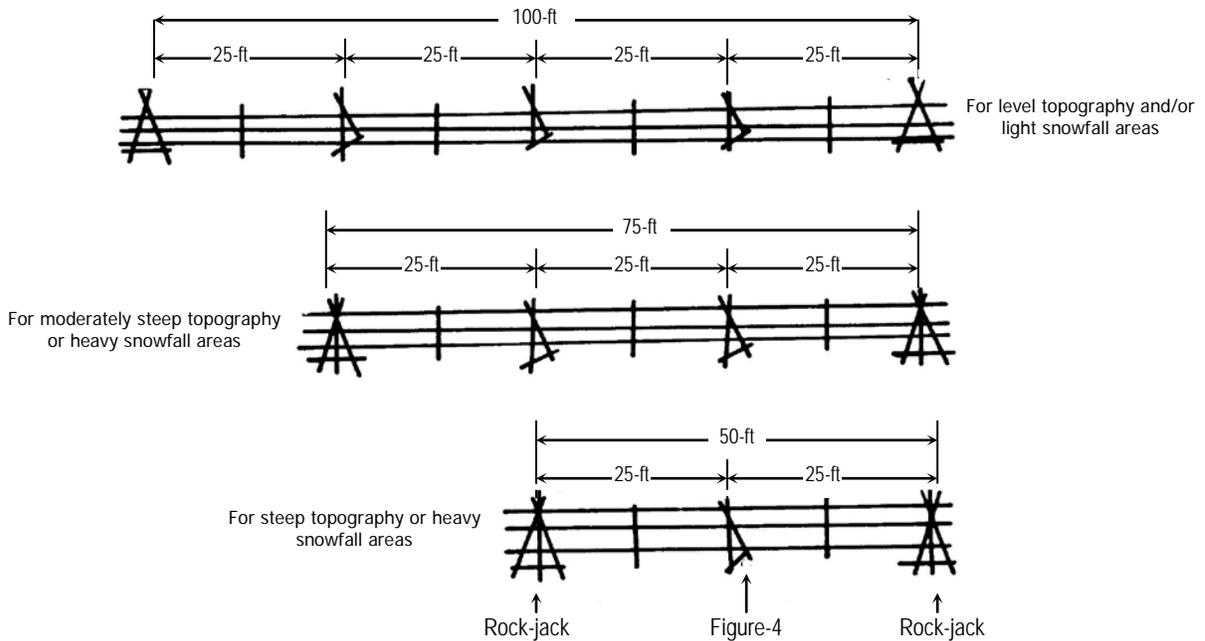
## EXHIBIT 5



Spacing recommendations for fences that use rock-jacks and Figure-4s. Additional rock-jacks are placed at abrupt breaks in topography.

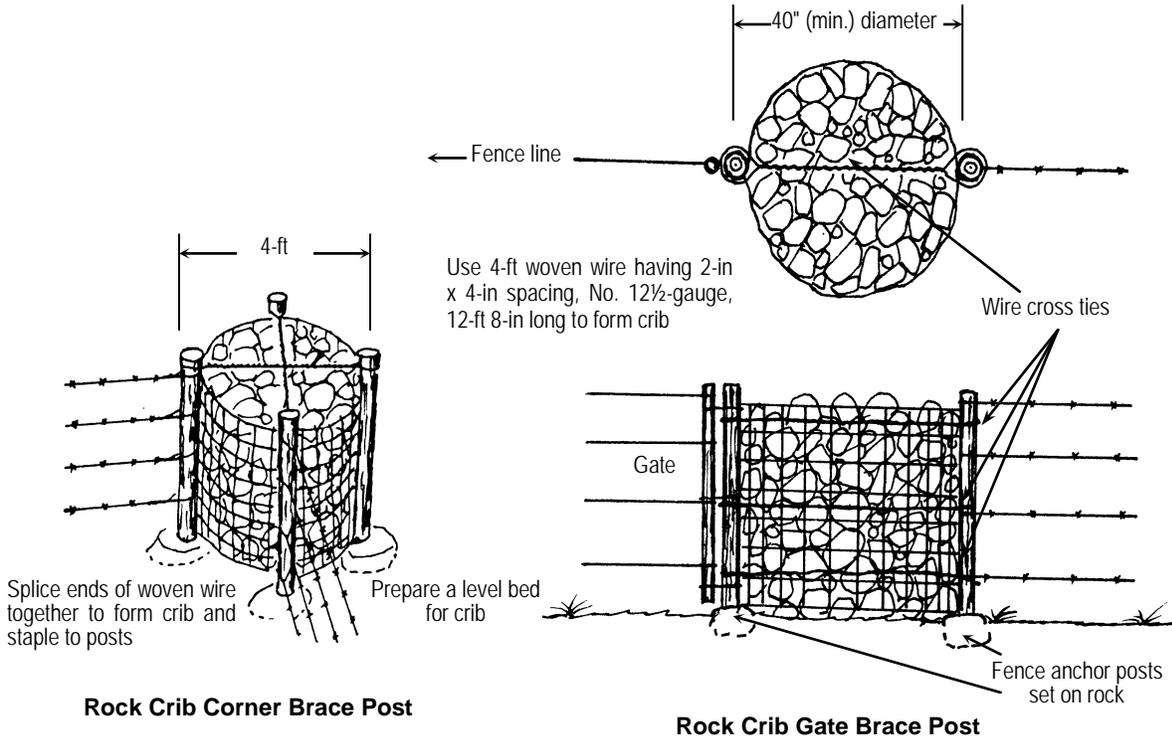
### SPACING RECOMMENDATION FOR ROCK-JACKS AND FIGURE-4 FENCE COMPONENTS.

Sanderson et al, 1990

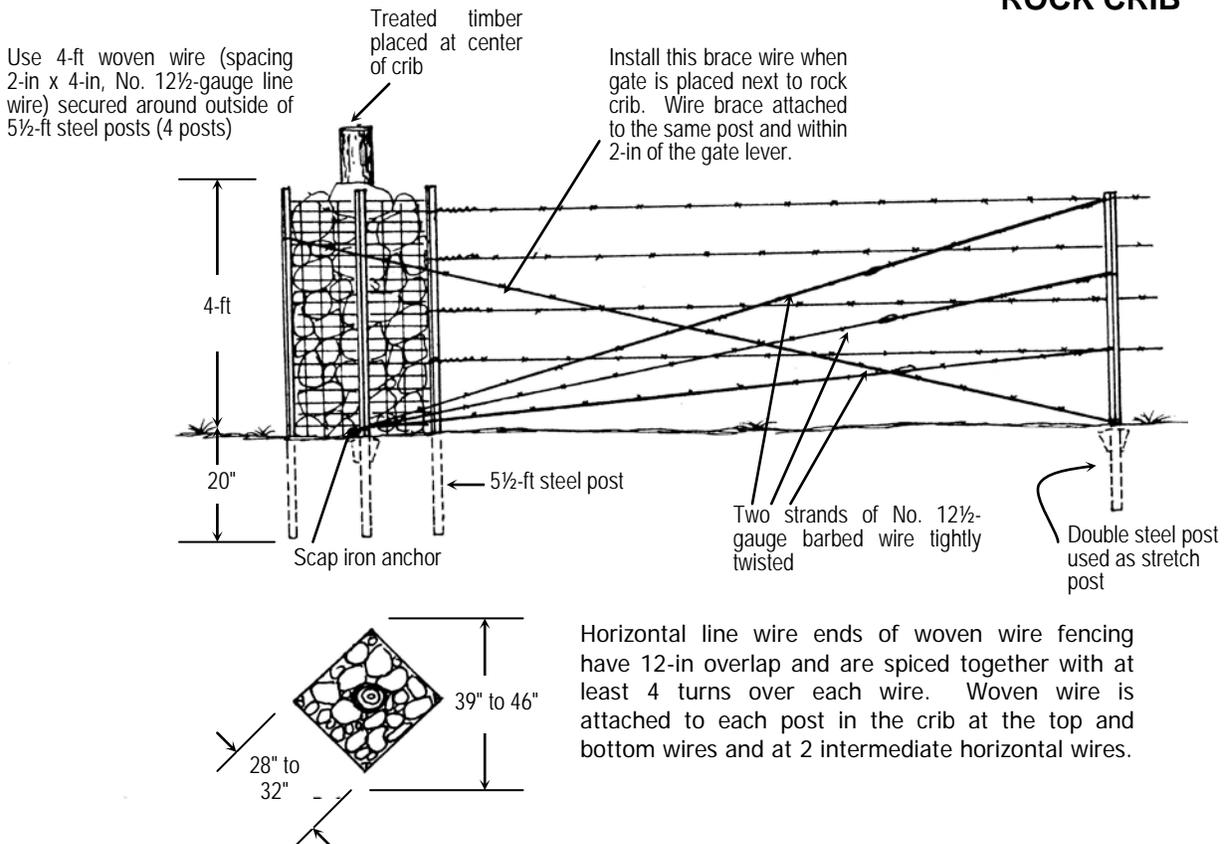


### ROCK-JACK AND FIGURE-4 FENCE

## EXHIBIT 6

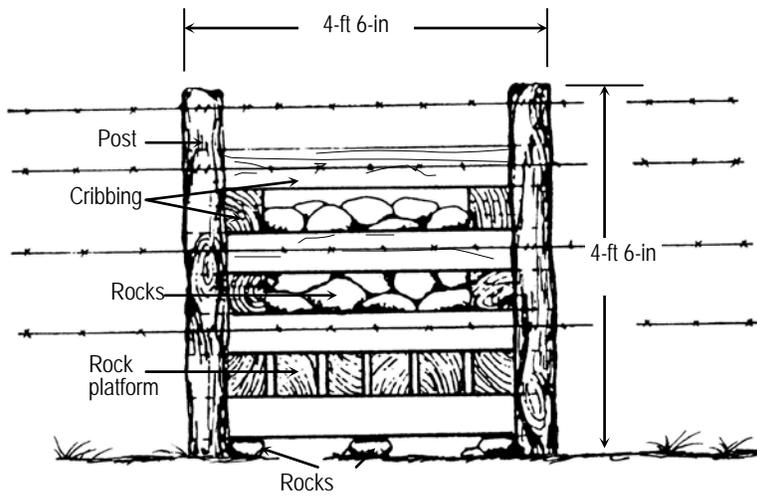
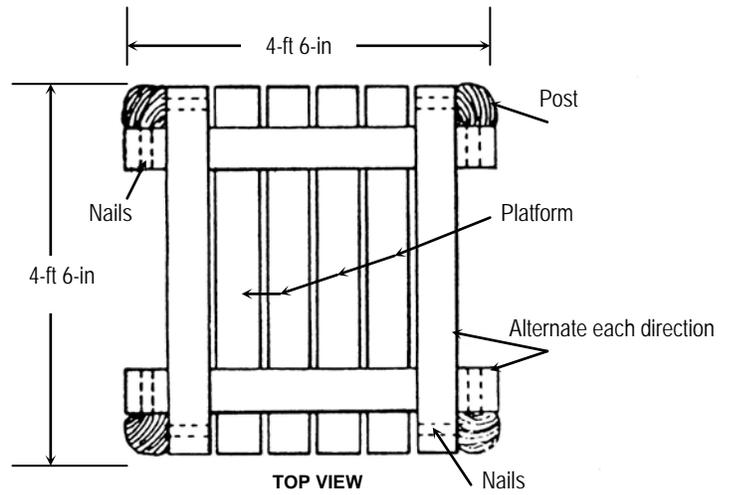


## ROCK CRIB



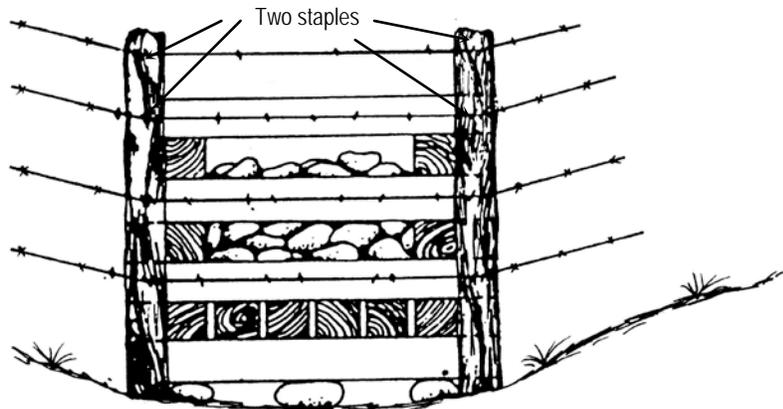
## EXHIBIT 7

USDI/USFS 2400-Range 8824 2803 (1988)



### SQUARE ROCK CRIBS

Square rock cribs are used as in-line brace unit, fence corners, or at gates where rock-jack and Figure-4 fence is constructed. Square rock cribs are stable and are useful where it is difficult to dig or drive posts.



Square rock crib for crossing dry draws