

taught that boy how to make arrows. Just takes lot of feeling, you know. And he taught that boy how to make bows and how to make these bow strings from sinew. You know you have to soak those sinews, you know. And you have to get about so many of them and twist them, of course, if you have good sense of feeling--get about so much and then you twist it--until you get it four or five feet long. And then you feather arrows--then you take and spread them--take the middles of the--divide the feathers--stem--even know how to-- The arrow-- Arapaho way--there's certain arrows they call "hard shooter" or "hard shot."  
(Above not clear on tape--some words too low to understand.)

#### ARAPAHO ARROWS & ARROW-MAKING

(Hard shooter?)

Hard shooter. They're grooved about this thick--about one-eighth of an inch. Wide grooves about one-eighth of an inch deep. And they take those--they take them, and the piece that they fix out of steel, and put that stick there and put that think on there and they twist that arrow. That just shaves off that one-eighth inch deep--one-eighth inch wide. (Jess here is talking about marking arrows for identification by making shallow grooves along the length of the shaft, and filling the grooves with paint.--jj) Grooved on four sides of the arrow. And then they paint the grooves. You know why? Whenever they go on a buffalo chase, if a young man goes out for his old folks or his uncle or a neighbor--chase buffalo, go back after they kill it. Start to remove the hide. Maybe some older man, warrior, might go, "Hey! That's mine." You know, you're not supposed to talk back to a warrior. But there's always old men went along, just to get a piece of meat for themselves if somebody wasn't chasing for them. Then this old boy can go and get those and tell him, "Say, that man claims what I shot." "Well, I'll go over and help you." So this old man say, "What kind of arrows have you got? Are they grooved?" And the warrior say, "No, mine ain't grooved." Then he'd ask him, "What kind of arrows do you have?" He said, "I've got grooved arrows." "Got paint in those grooves?" The boy say, "Yeah." "What kind of color?" "Sky blue." Which is the old Arapaho color. All right.