

## Spring Tools

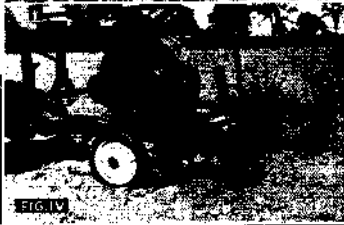


Figure 1.—Heavy duty heads for large beets.

Figure 2.—Results of use of machine thinner on large, thick beets.

Figure 3.—Thinner with chain and sprocket drive and split-v-shieves for speed variation.

Figure 4.—Application of counter-rotating head principle to the old two-row Dixie Cotton Chopper. (Application by C. M. Hansen, Michigan State College.)

Figure 5.—Ground-driven thinning units used simultaneously with cultivating tools.

Figure 6.—Trail cart for beet drill which carries several hundred pounds of fertilizer from which a man riding the cart may refill the fertilizer cans without stopping or reducing speed.

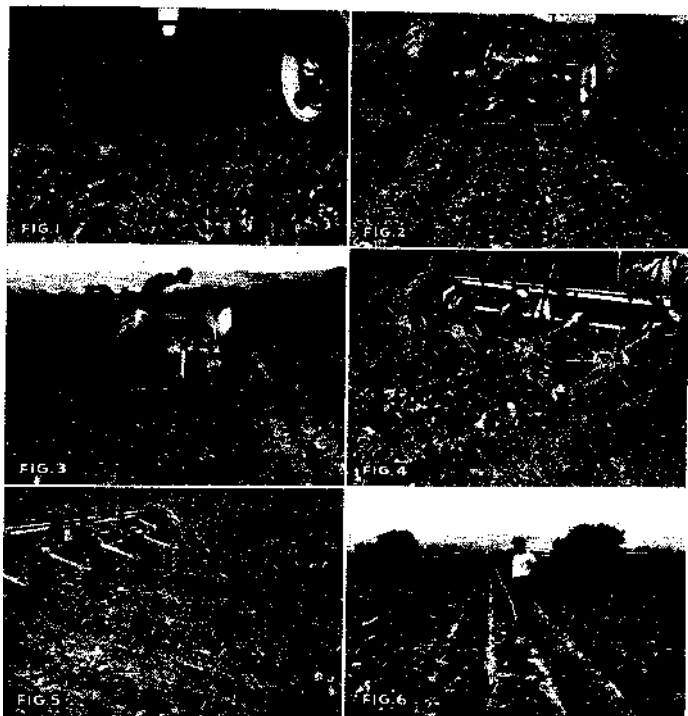


Figure 1.—Close-up of "Cultro" in weedy field at Fort Collins, Colorado. (This sequence of pictures depicts effectiveness of machine thinning procedure.)

Figure 2.—Result of cultivation with rotary cultivator and duckfeet.

Figure 3.—An in-the-row weeding operation with "cycloid weeder."

Figure 4.—First thinning operation with a down-the-row machine using 8-spoke heads.

Figure 5.—Second thinning operation using 16-spoke heads.

Figure 6.—Seventeen days following the operation in Figure 5 and a minimum of hand work with long handle hoes, this clean field with good stand resulted.