

# HERRINGBONE A.I. BREEDING CHUTE

## COMPLETE INSTRUCTIONS

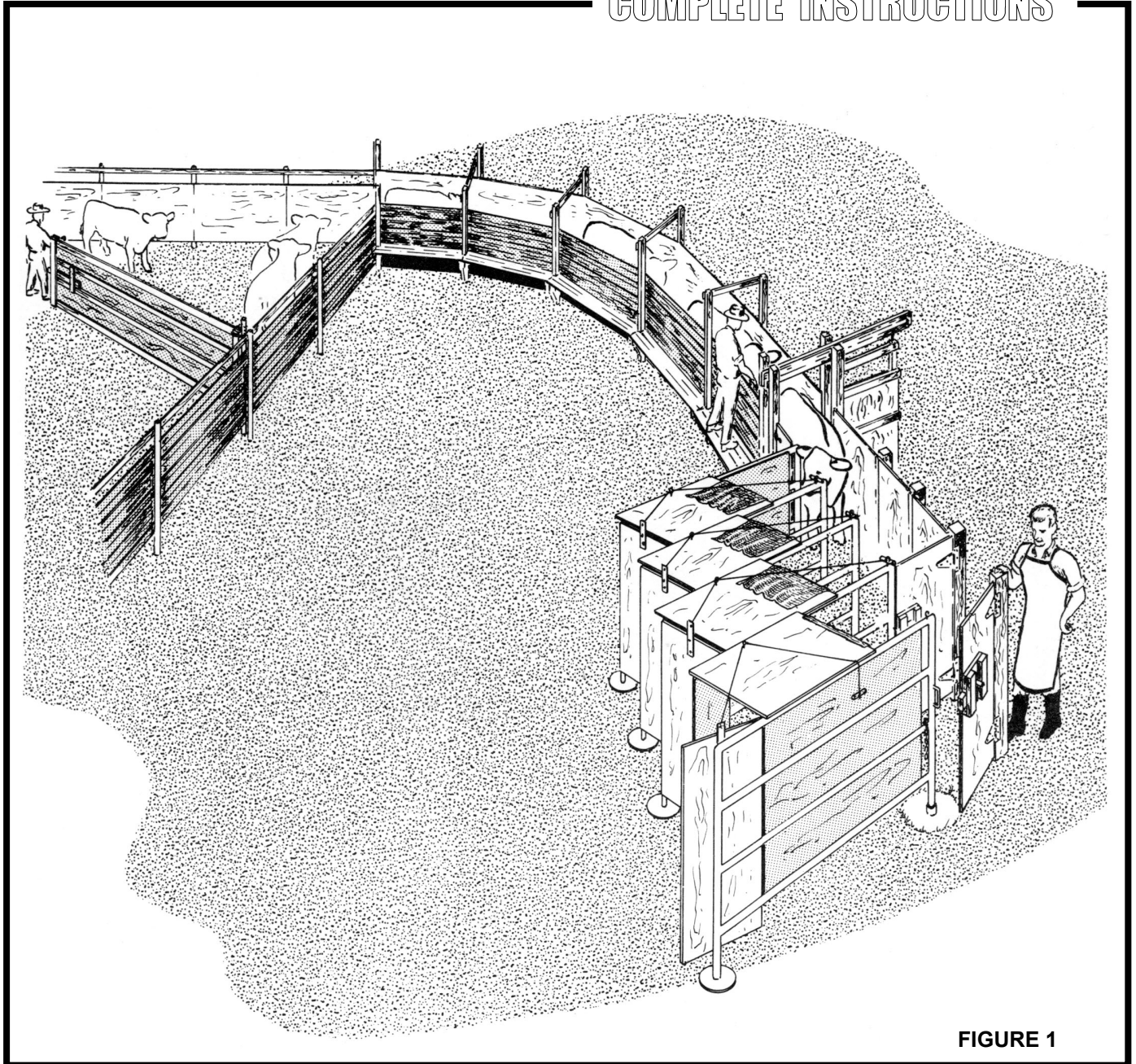


FIGURE 1

DEVELOPED BY CANADA PLAN SERVICE

# 315-73

## HERRINGBONE A.I. BREEDING CHUTE

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PLAN 1819 NEW 84:07

This is an A.I. (Artificial Insemination) breeding chute for handling larger herds of beef cows, or where estrus synchronization is used to bring a lot of cows into heat near the same time.

The idea of arranging the breeding stalls in a 'herringbone' pattern comes from the ranches of California, and this plan is based on University of California leaflet 21029. In a pinch, it allows one man to easily handle the cows by himself.

Cows to be inseminated are gathered into a holding pen and crowded quietly into a curved chute leading to the breeding stalls, filling the farthest stalls first. The crowding gate (see 315-02) and the curved chute (315-03) have solid plywood sides to help cattle move through easily. Once in her stall, each cow is kept from backing out by up a short length of chain hooked behind her.

Unlike the chute, the breeding stalls have open side gates between them so that each cow feels close to her neighbor. If only one cow is to be inseminated, place her next to another cow not in heat. The stall fronts, tops and front portion of the sides are solid plywood to isolate the cows from outside distractions, and a flap of burlap bag is dropped over her back to further isolate her.

After inseminating, a rope control releases each stall door, and a spring opens it.

Stall width may be adjusted by changing the angle of the side gates, which can pivot about their rear posts. Note that to do this, the top cover panels must each be fastened to only one gate and must overlap the next cover panel a little when the stalls are made narrower (see 14, Figure 2). The number of stalls can be increased or decreased according to needs without affecting the design.

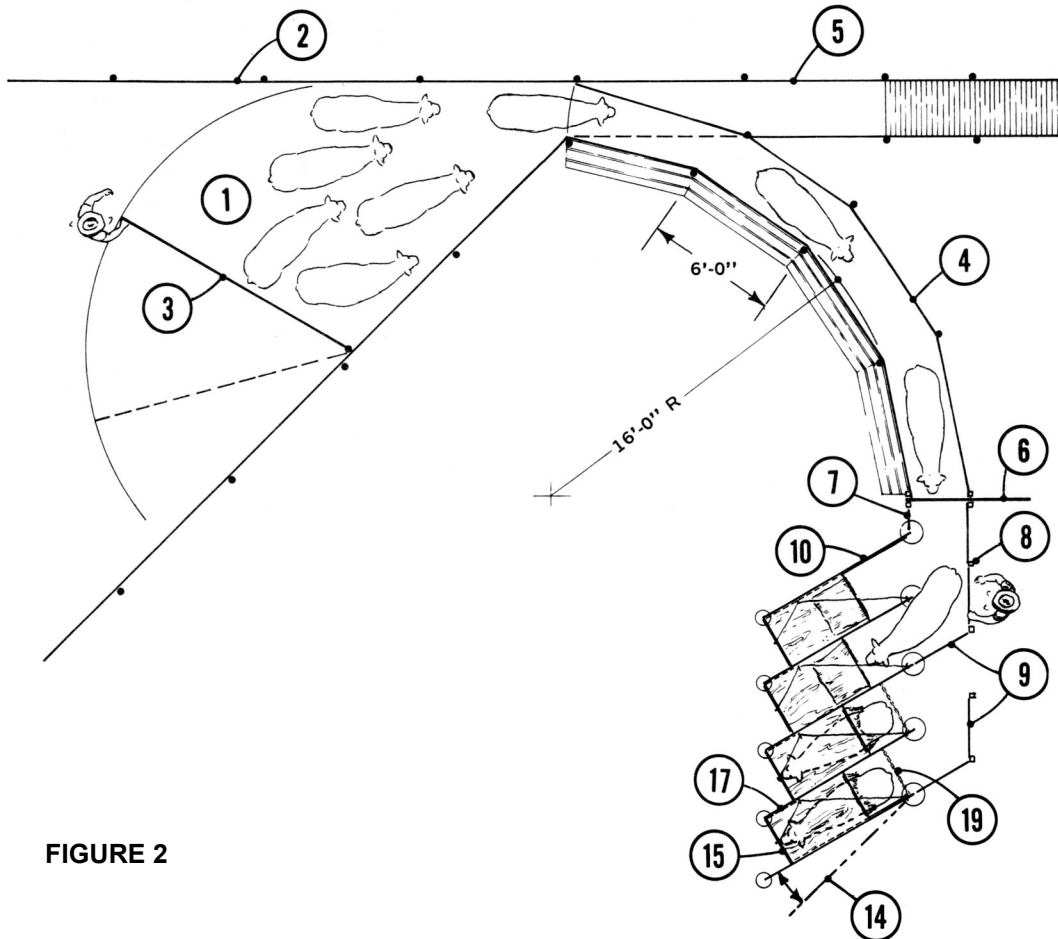


FIGURE 2

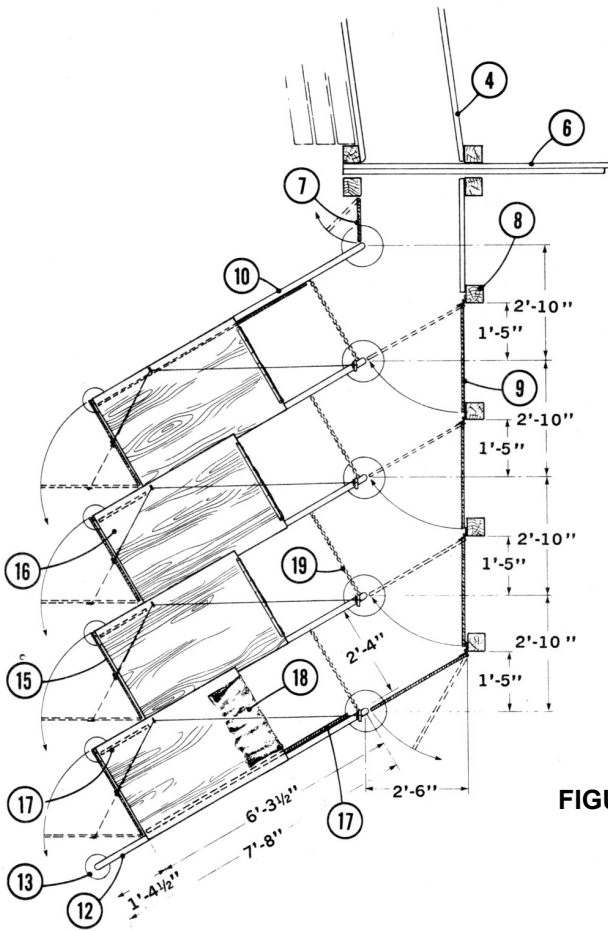


FIGURE 3

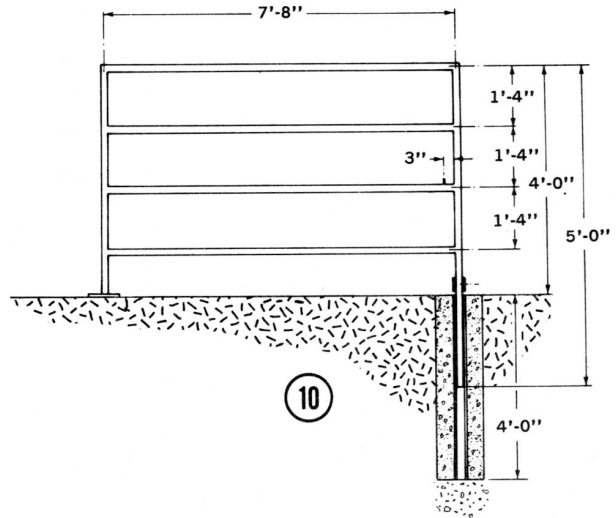


FIGURE 4

- 1 holding pen, 27 ft<sup>2</sup>/head
- 2 corral and feedlot fencing, see 315-01
- 3 crowding gate, see 315-02
- 4 working chute, see 315-03
- 5 optional loading chute, see 315-07 or 315-08
- 6 blocking gate, see 315-04
- 7 man gate
- 8 6" x 6" x 8' pressure treated posts set 4'-0" deep
- 9 2'-8" gate
- 10 stalls made with 1 1/2" pipe
- 11 rear post with collar to swivel in 2" pipe set in 4'-0" deep concrete footings
- 12 end stalls acts as gate stop
- 13 steel foot welded to front posts, for adjustment (14)
- 14 width of chute adjusts for small heifers to large cows by swinging front of stalls
- 15 5/8" plywood gate, spring loaded to open, operated from rear of pen with a rope
- 16 5/8" plywood cover, clips onto end frame and extends over next stall so it can slide over it when angle of chute is changed, (14)
- 17 5/8" plywood outside walls & 17" extra length
- 18 burlap bag curtain for maintaining dim lighting
- 19 chain, 2'-10" above ground to prevent cows from backing out

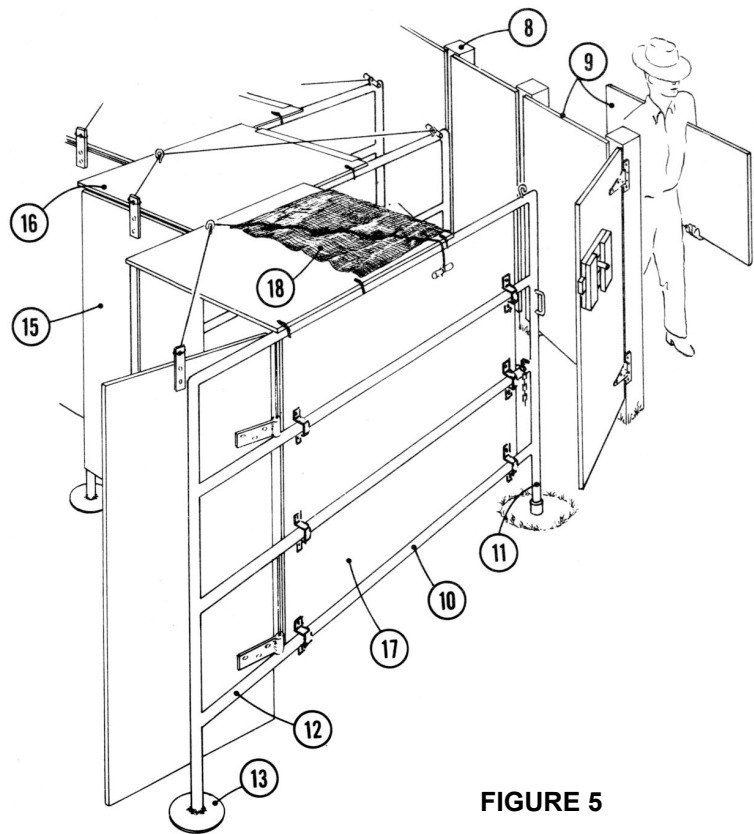


FIGURE 5