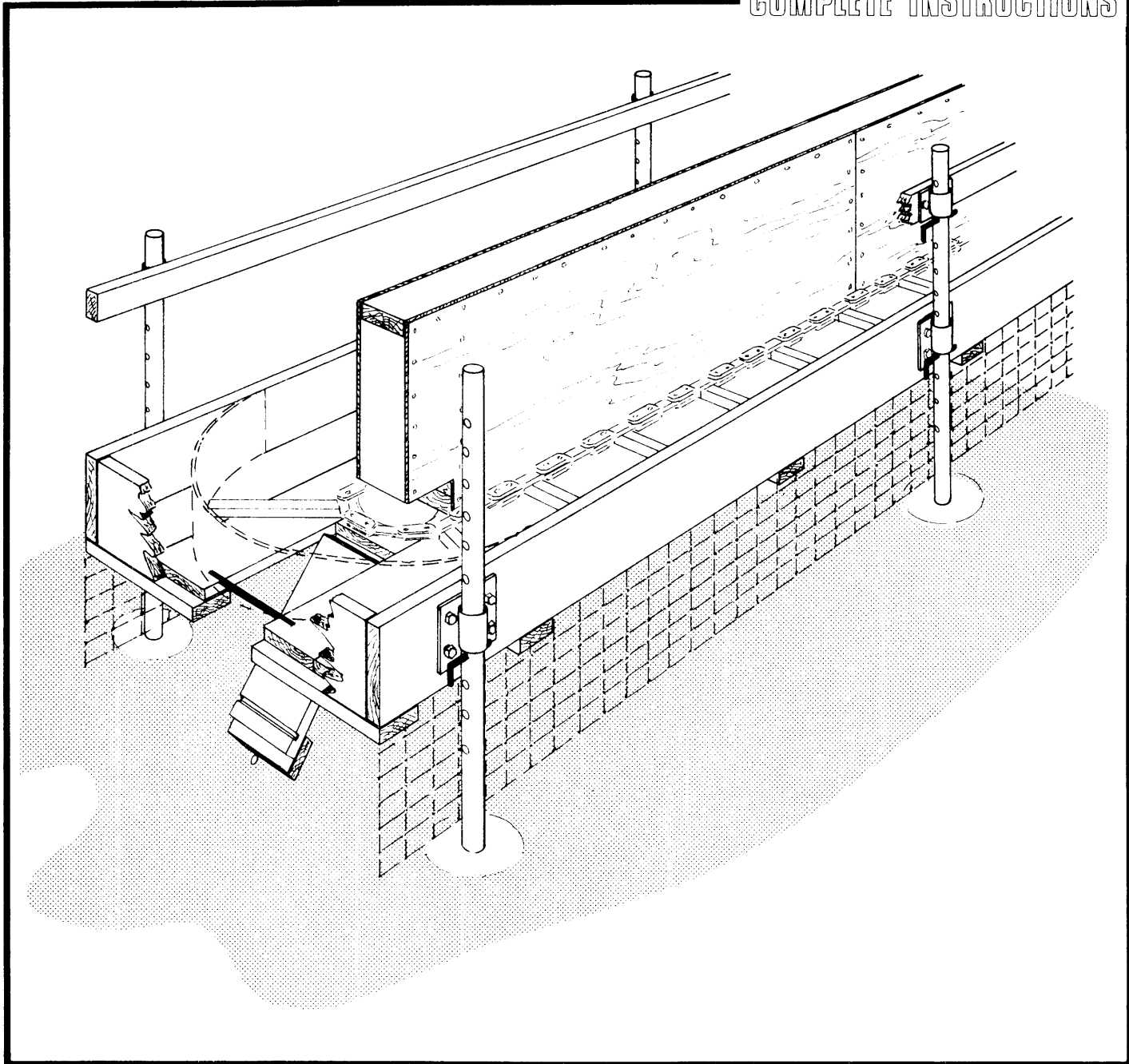


ADJUSTABLE FEED BUNK ADAPTED FOR SHEEP

COMPLETE INSTRUCTIONS



The Canada Plan Service prepares detailed plans showing how to construct modern farm buildings, livestock housing systems, storages and equipment for Canadian Agriculture.

This leaflet gives the details for a farm building component or piece of farmstead equipment. To obtain another copy of this leaflet, contact your local provincial agricultural engineer or extension advisor.

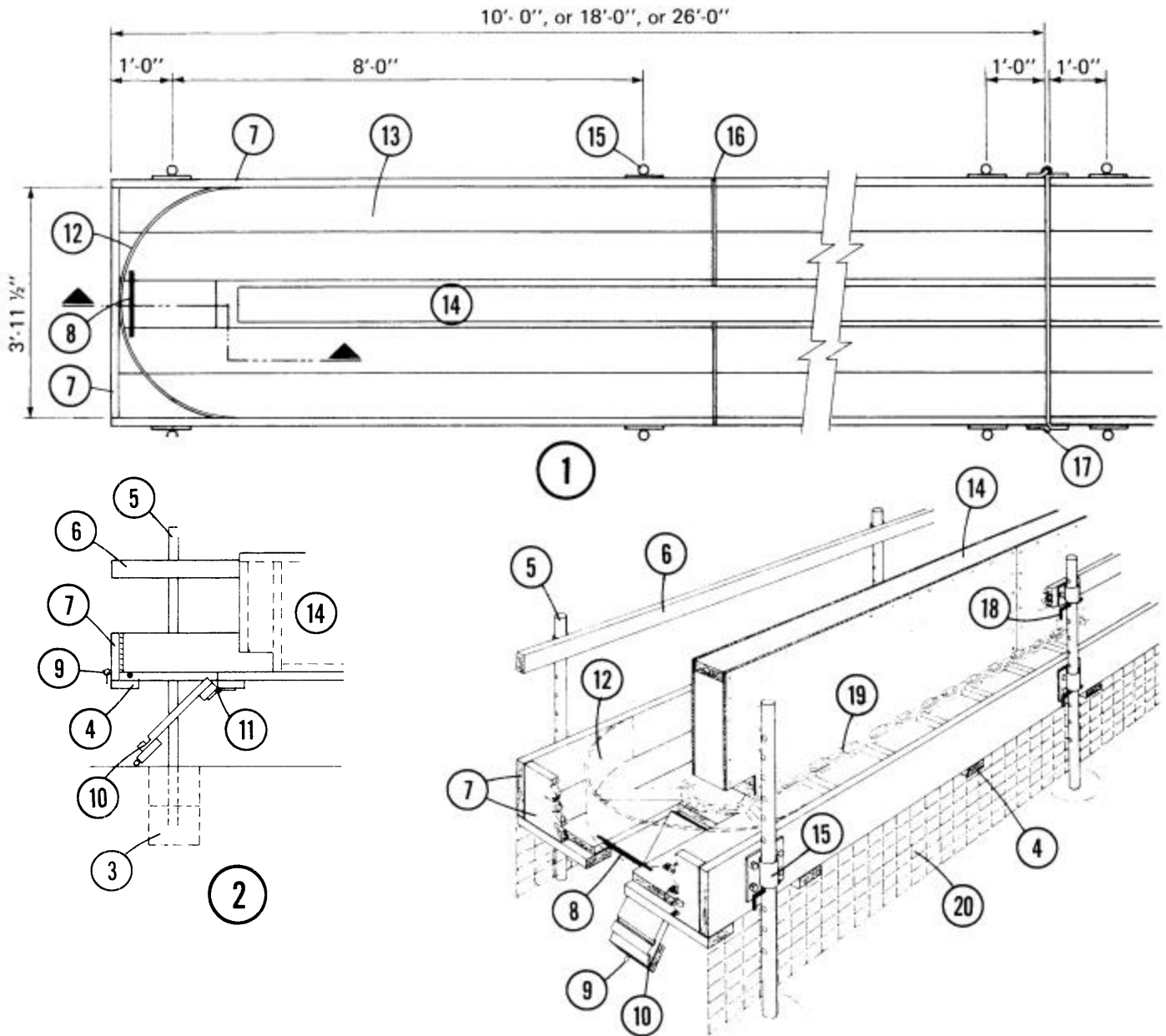
ADJUSTABLE FEED BUNK ADAPTED FOR SHEEP

PI AN 4612 NFW 84:07

This feed bunk is designed mainly for inside use. It is assembled in lengths of 26 ft. The bunk and guard rails move upward as the manure builds up around the bunk. The use of four jacks to raise the bunk, one notch at a time, is suggested.

Plywood partitions placed down the center of the feed bunk and crosswise at each pen partition prevent lambs from leaving their pen if they get into the feed bunk. If lambs in the feeder become a problem, hang a piece of 2 x 6 inch board from the top guard rail with two chains. The ewes can shove the 2 x 6 inch inward for feeding, but the board discourages lambs from jumping into the manger. A lamb guard made from chain-link fencing is suspended from the feed trough to the manure pack to keep the lambs from going under the feeder.

Sheep are very susceptible to bacteria that grow in stale silage or other moist feeds that accumulate in and around the feed bunk. The condition is a nervous disorder called 'listeriosis,' or 'circling disease.' Therefore, all unused feed must be cleared out regularly and completely removed from all areas where the sheep have access. A trap door at one end of the feed bunk can be dropped open so that the feeder chain can sweep stale feed to the cleanout point.



1. plan view of feed bunk constructed in 26'-0" sections to permit height adjustment
2. partial section view
3. concrete footing 8" deep for inside locations, 4'-0" or below frost for outside locations
4. 2" x 6" cross pieces, 4'-0" oc
5. 1 1/2" dia. galv. steel pipe post, 4'-0" min above ground, total length to suit concrete footing depth, drill 1/2" holes 3" oc for pin 18
6. 2" x 4" adjustable headrail
7. 2" x 10" feed bunk keeper
8. 1 1/2" dia steel bar, support for conveyor when 10 is open, 14" long imbedded into a flush to top edge of each plank, matching notch in hinged plank cleaning trap 10
9. suitable hook and eye to secure cleaning trap during filling
10. cleaning trap 2" x 10" x 1'-8" hinged plank, cut from center plank of floor, notch to suit 8
11. suitable hinge and hinge supports
12. 1/4" plywood silage deflector
13. 5 - 2" x 10" plank floor
14. feed bunk divider 2'-0" high, 5/16" plywood and 2" x 6" construction, notch at end for feeder chain clearance
15. 2 - 2" dia. steel pipe 31 1/2" long,
 - for feed bunk weld to 5/16" x 6" x 8" steel plate and drill 4 - 1/2" bolt holes
 - for adjustable head rail weld to 5/16" x 31 1/2" x 8" steel plate and drill 2 - 1/2" bolt holes
16. 1/4" plywood partition at each pen, position to prevent lambs from crossing feed bunk
17. truck box hook and fastener at each bunk component
18. 3/8" dia. x 4" leveling pin, 2 for each post
19. gutter cleaner type feeder
20. chain link fence, attach to bottom of bunk to permit raising and lowering for manure levels