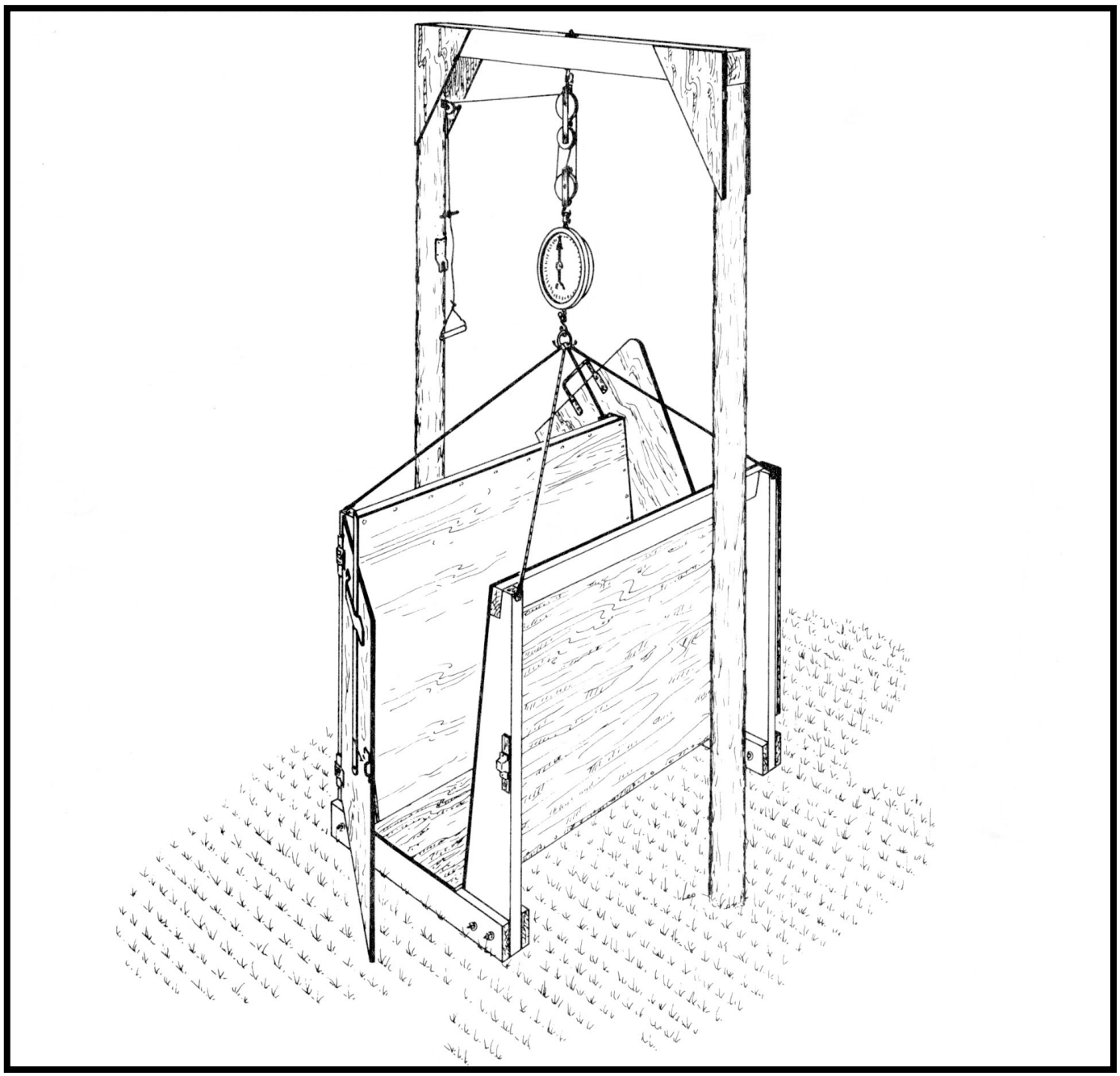
WEIGHING CRATE & SCALE FRAME



DEVELOPED BY CANADA PLAN SERVICE

353-07

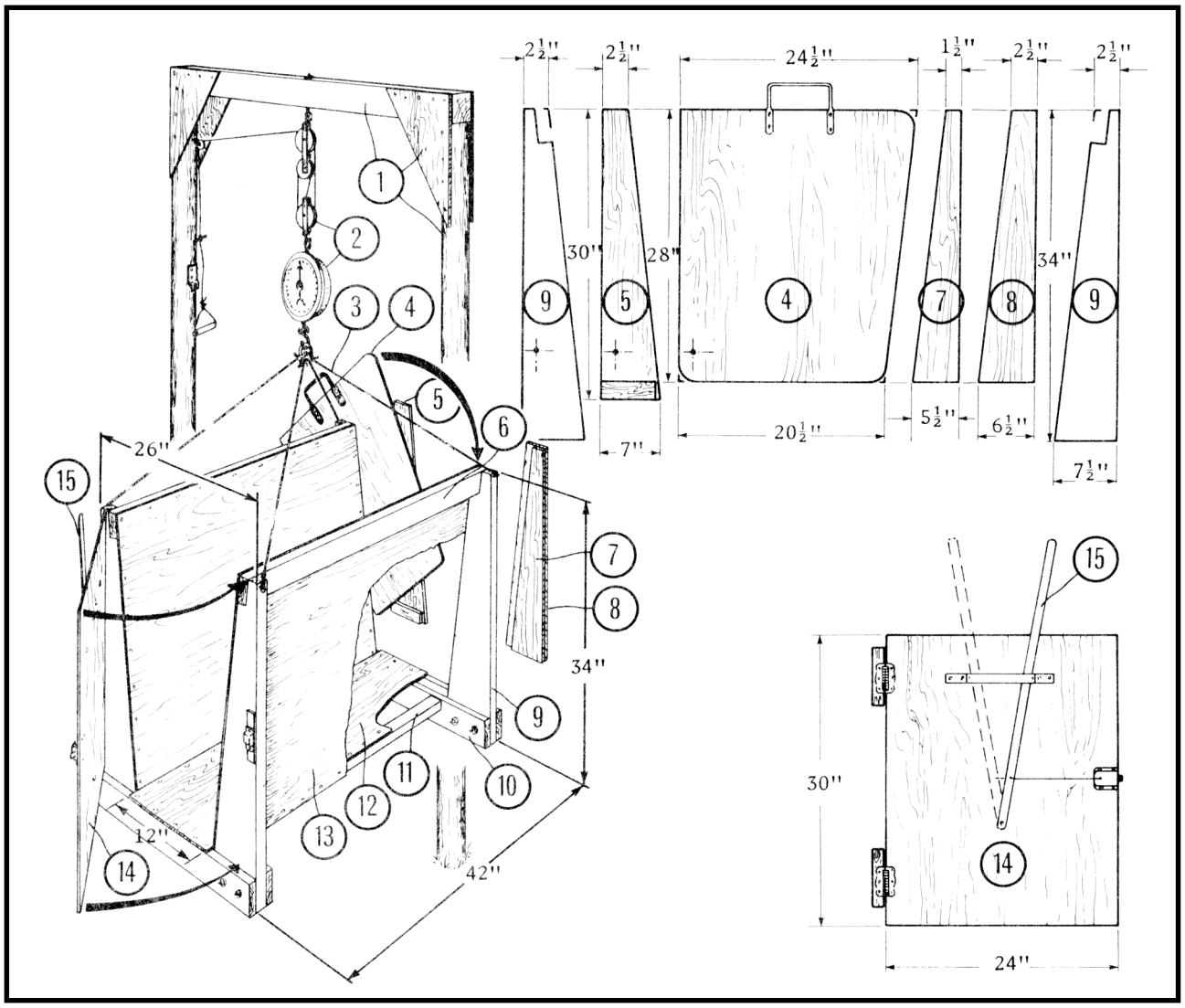
WEIGHING CRATE & SCALE FRAME

CPS
PLAN 4814 REVISED 8:76

This weighing crate system is designed to follow the working chute in a sheep handling corral - Plan 353-01 (CPS 4811). This weighing system is handy for recording weight gains and for separating market-ready feeder lambs.

The plywood crate rests on the ground while each sheep is let in and confined with doors. Then sheep and crate are hoisted a few inches by rope and pulleys, for weighing with a suspended dial scale. The success of this hoisting system depends on free-running 2-inch marine quality nylon pulleys and 1/4 -inch or 3/16 –inch polypropylene rope. Use a stopper in the rope and a cleat screwed to the support post to hold the crate up for weighing. Remove the store the scale and hoisting system indoors when not in use. The crate also makes a handy portable treatment squeeze when not in use for weighing

.



1. 4” x 4” x 3’-6 head beam, 1/2” plywood gussets, 4” x 10’ pressure treated poles 3’-6” in the ground
2. dial scale lifted by plastic rope & pulley block system (3 to 1 lift); stopper in rope slips into cleat on pole for weighing
3. lifting sling, 4 equal lengths of plastic rope, pony snaps to eyebolt at each corner of crate
4. 1/2” plywood entrance door, pivots up towards operator to open, on 3/8” x 3” bolt & washer
5. 1/2” plywood door keeper with 5/8” plywood spacer at bottom
6. 2” x 4” x 3’-6”
7. 5/8” plywood door stop & spacer
8. 1/2” plywood door keeper
9. 4 corner posts from 2” x 10”, notch at top for 6
10. 1” x 4” x 2’-2” skids (make 4) sandwich 9, 2-3/8” x 4” bolts at each corner
11. cut from 2” x 4” at angle to fit 13
12. 1/2” plywood bottom
13. 3/8” plywood sides
14. 1/2” plywood exit door on spring-loaded screen door hinges
15. lever arm releases spring latch to open door 14