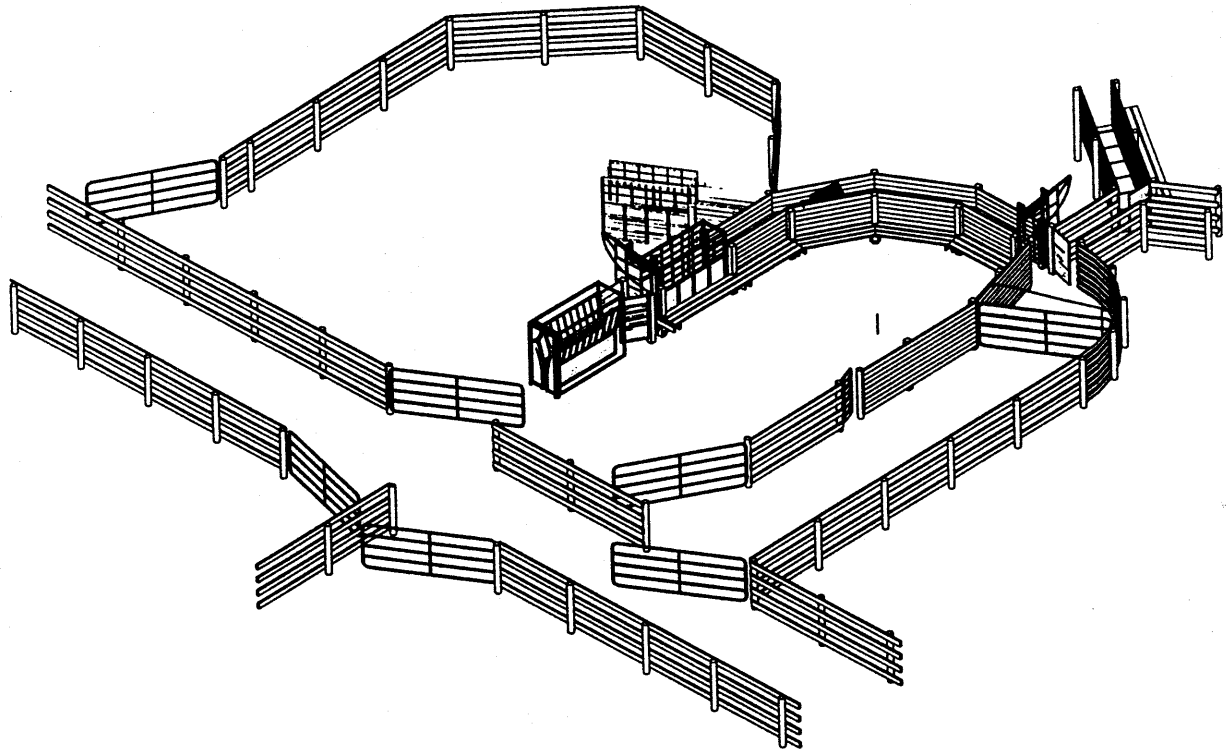




Extension
Service

COMPACT CURVED WORKING CHUTE

COMPLETE INSTRUCTIONS



This is a compact simple handling facility with minimum number of gates. The facility can be expanded by lengthening the working chute and alleys to suit your needs. Adapt facility, gate locations and swing to suit your site.

The facility can be operated by one man. Distances between the different features are close together.

To obtain another copy of this plan, contact your local Extension Service agricultural engineer or extension agrologist.

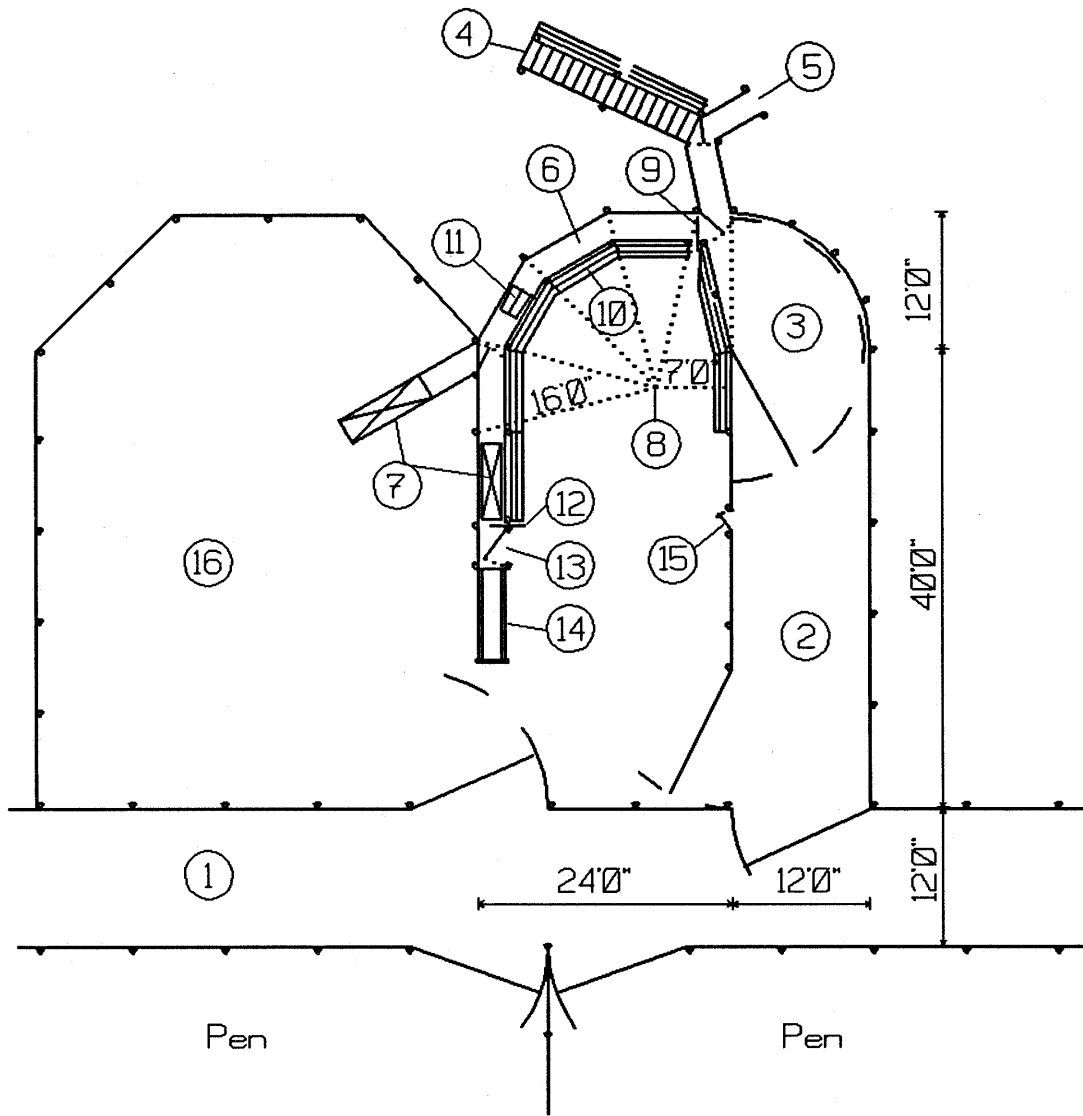


Fig.1 Handling Facility

- | | |
|---|--|
| <ul style="list-style-type: none"> 1. Alley connecting pens 12'0" wide 2. Holding Pen 3. Crowding tub with solid gate and solid fence. Curved tub made with 4- 2'6"x 10'0" steel bin panels. 4. Truck loading chute - 32" to 36" wide see plan 1816 or 1817 5. Trailer loading chute 6. Working chute - 28" wide see plan S-184 7. Optional scale locations 8. Pivot point for working chute layout | <ul style="list-style-type: none"> 9. Blocking gate - open construction see plan 1814 10. Catwalk - see plan S-184 11. One way gates - see plan S-182 location & number as desired 12. Blocking gate - closed construction see plan 1814 13. Palpation cage 14. Headgate and squeeze 15. Walk through gate 16. Sorting and holding pen |
|---|--|

Note: All gates 12'0" wide



Crowding Tub and Gate

Cattle flow through facility easier if crowding gate, crowding tub and working chutes are of solid board construction.

Crowding tub (3) can be constructed using steel bin panels to form the curvature. Crowding gate has a spring loaded self locking latch. Gate can be opened and closed by rope from catwalk.

Loading chute (4) has access directly from crowding tub. Crowding tub is large enough to fill one compartment in truck. Cattle load easier if there is a slight turn in the load out facility.

Cattle flow easier through a curved working chute. The degree of curve is not critical as long as the cattle can not see down the length of chute.

Construct the working chute (6) by first building the outside fence (16'0" radius from pivot point). The post locations for the inside fence can be determined by the cross over points of planks laid parallel to the outside fence (28" inside clearance).

A livestock scale (7) can be located in line with working chute or in a chute off to one side.

Cattle can be sorted three ways - into adjacent pen (16), down connecting alley (1) or back into holding pen (2) for working.

Locate facility on a well drained site. Provide all weather access for loading trucks. Locate facility for convenient cattle movement from all pens.

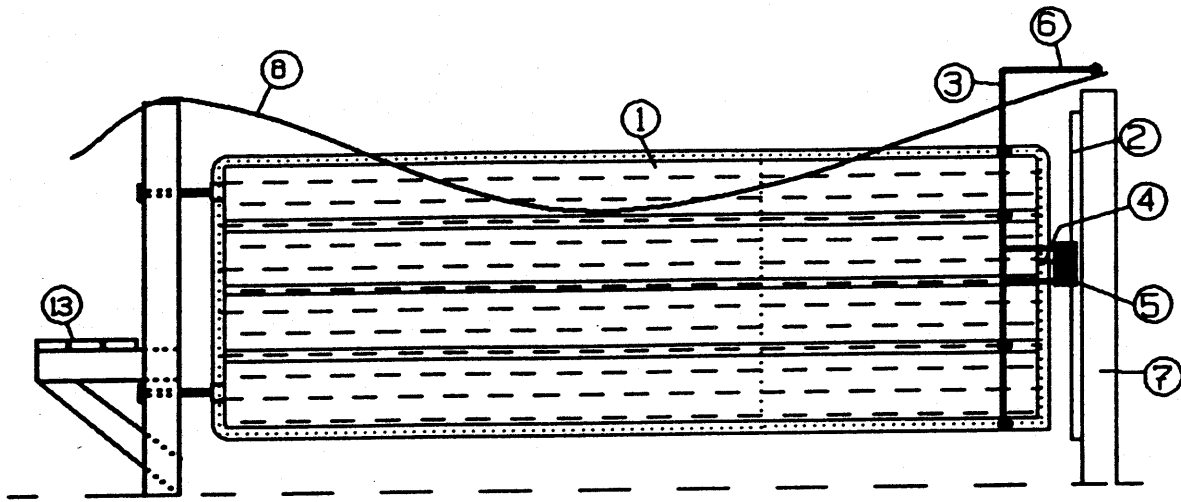


Fig. 2 Crowding Tub and Gate

1. Gate 12' 0" wide - closed in with plywood
2. Crowding Tub
Use 4- 2'6" x 10'0" steel bin panels
3. Rotating latch - 1" pipe
4. Spring loaded latch
5. Stop - 3" pipe covered with rubber
6. Control lever same angle as (5)
7. Post 10'0" x 6" top
8. Rope to control gate from catwalk
9. Working Chute 28" wide
10. Loading Chute 32" wide
11. Lead up alley 12'0" wide
12. Blocking Gate - open construction
13. Catwalk
14. Walk through gate

