



Construction Procedure:

- A. Cut 2 - 1 1/2" pipe 4' 4" long -- Outside Uprights. Drill 1/2" holes in A.
- B. Cut 2 - Channel Bars 2" long -- Hinge Base. Cut 2 - pcs 3/4" pipe 2" long -- Hinges. Weld base and hinge to A.
- C. Cut 2 - 1 1/2" pipe 13' 9 1/2" long -- Bottom & Top. Cut 2 - 1 1/2" pipe 3' 11" long -- Center uprights. Tack-weld all pieces in place and check for squareness.
- E. Cut 1 - 1 1/2" pipe 3' 10 1/2" long -- Take-up Bar. Drill holes - 3/8" -- 3/4" from end of pipe, in take-up bar.
- G. 2 - 3/8" x 6" Machine Bolts -- Take-up Bolts. Make threads 2 1/2" - 3" on each.
- H. Clean pipe and paint primer coat.
- I. Cut and stretch 1 rod of woven wire 47" high.
- J. Put last coat.

Bill of Material:

- 2 - 1 1/2" pipe 14' long -- Bottom and Top
- 1 - 1 1/2" pipe 21' long -- Uprights
- 2 - 3/8" x 6" Machine Bolts -- Take-up Bolts
- 2 - Channel Bars 2" long (Old Harrow Frame) Hinge Base
- 2 - pcs 3/4" pipe 2" long -- Hinge
- 1 - rod 47" (heavy duty) woven wire

Pipe Gate - 14 Ft.
Scale: 1/2" = 1'-0"
Date: 27 April 1963
Drawn by: Dale Pontius
Plan No. 400

Suggestions for Building the 14 Ft. Pipe Gate:

1. Mark out all materials before assembling.
2. Flatten all ends of pipe to be welded.
3. Tack-weld joints and check before welding permanently.
4. Hacksaw pipe for hinge to eliminate burr.
5. Take-up bolts should have $2\frac{1}{2}$ - 3 inches of threads.
6. Between hinge pipe and gate up-right, weld a piece of channel from an old harrow frame. This gives the gate clearance from the post it is mounted on.
7. Clean metal and paint gate with metal primer coat before putting on wire.
8. Tie top and bottom strands of woven wire through the holes in "E" pipe.
9. Use wire splicer to make neat bends on woven wire.
10. Stretch wire on gate with the take-up bar in loose position. Then tighten bar some to give desired tension to the wire.
11. Tie woven wire to center uprights using No. 12 or 14 gage galvanized wire.
12. Paint gate using aluminum paint.