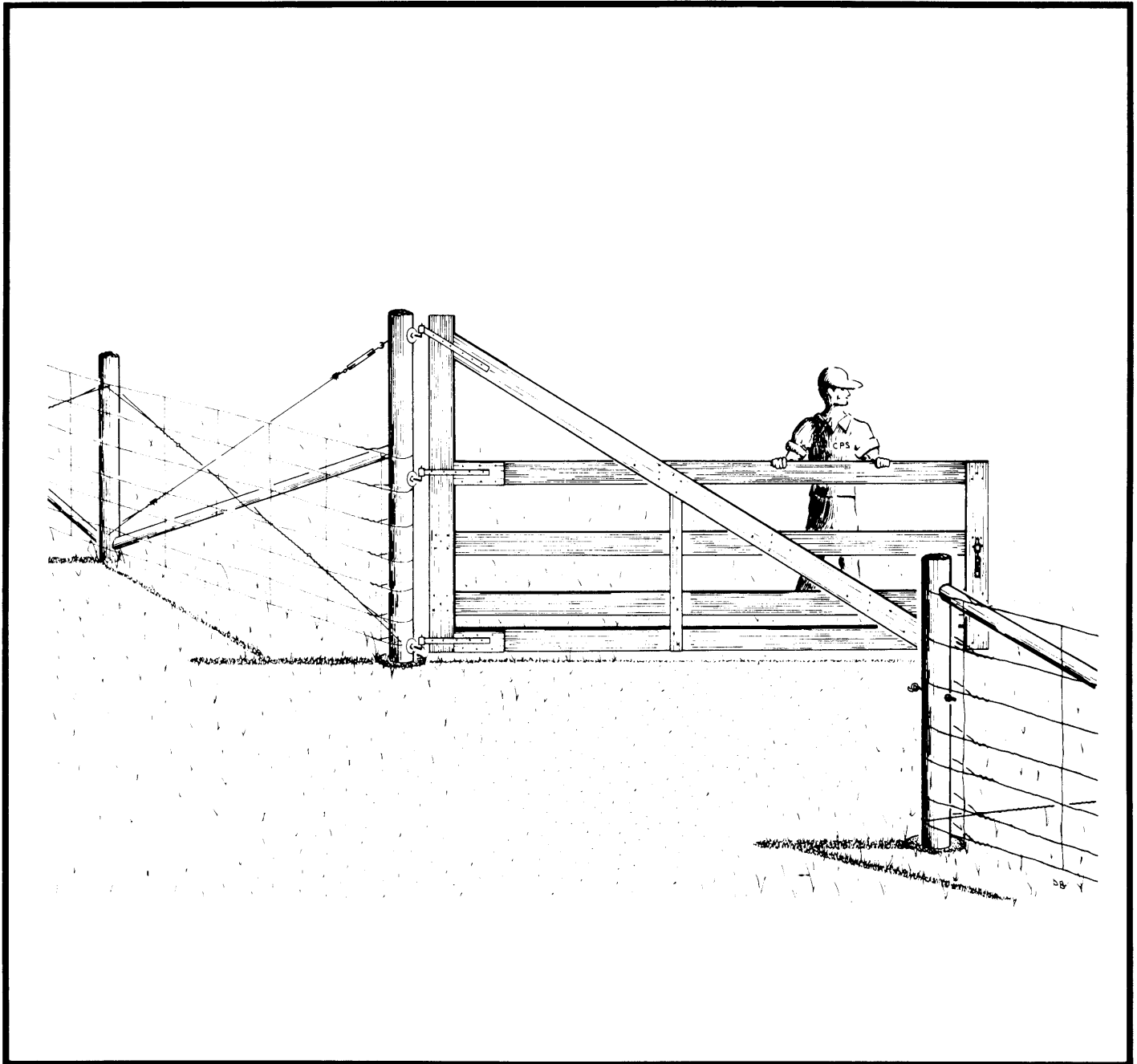


FARM GATE



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.

FARM GATE

PLAN 8364 REV: 83:03

This plan gives details for a two-way swing farm gate framed with 2 x 6 in. lumber. Construction is sturdy enough for openings up to 16 ft wide into cattle feedlots, farm entrances, etc.

Heavy gates will sag unless they are well-supported. This plan specifies three special gate hinges, for extra support. The gate is braced with an extended diagonal member which is carried by the third hinge, mounted high on the gatepost. Special hinge details are shown to allow 90° swing each way; if the gate is to open 180° one way only, use standard steel strap gate hinges bolted to one face of the gate.

- 1 2" x 6" rails and uprights
- 2 2" x 4" brace
- 3 2" blocking between top rails
- 4 hinge (2 straight and 1 bent): 3/4" pipe weld to 1/8" x 2" steel strap, bolt strap with 3/8" machine bolts
- 5 5/8" galv. bolt hook with 2 nuts and washers
- 6 minimum 6" diam pressure-treated post; 12'-0" long for 12'-0" gate and 13'-0" long for 16'-0" gate at hinge side; 8'-0" long at other side
- 7 concrete back fill in smooth post-hole, to below frost
- 8 brace pole notched into post
- 9 4 strands of No. 9 galv. brace wire, twist to tighten
- 10 1/4" galv. wire cable, clamp at each end
- 11 1/2" galv. turnbuckle hooked on 12
- 12 1/4" x 2" x 8" steel strap, drill for 5 and 11
- 13 dimension varies - 3'-0" for 12'-0" gate, 4'-0" for 16'-0" gate
- 14 gate lock, galv. heavy duty chain fasten to gate with galv. 3/8" eye-bolt and hooked in an 3/8" galv. bolt hook in post

