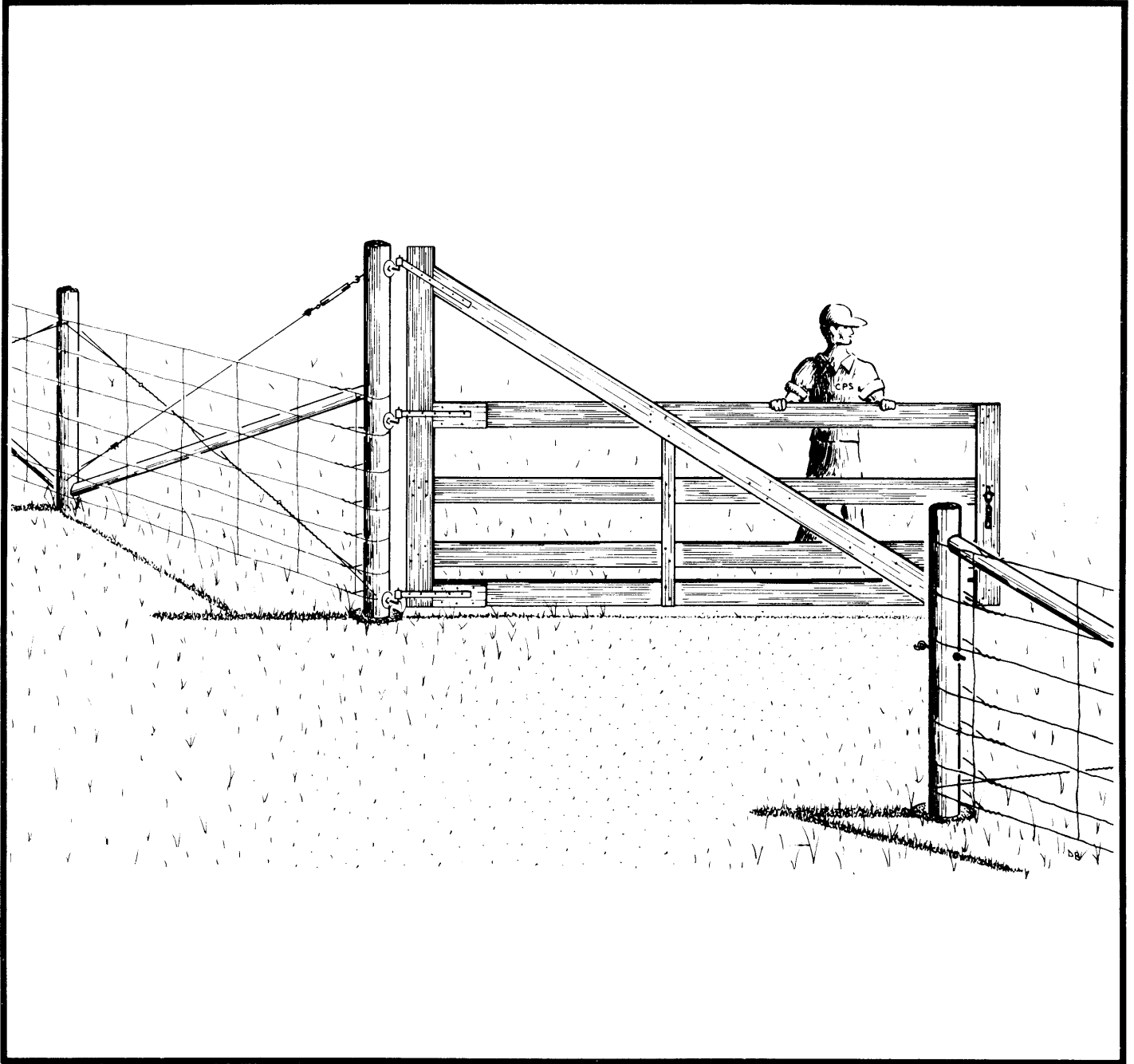


FARM GATE



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 M-8364 REV: 82:01

This plan gives details for a two-way swing farm gate framed with 38 x 140 mm lumber. Construction is sturdy enough for openings up to 4.8 mm 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 38 x 140 mm rails and uprights
- 2 38 x 89 mm brace
- 3 38 mm blocking between top rails
- 4 hinge (2 straight and 1 bent): 3/4" pipe weld to 3 x 50 mm steel strap, bolt strap with M10 machine bolts
- 5 M16 galv. bolt hook with 2 nuts and washers
- 6 minimum 150 mm dia. pressure-treated post; 3600 mm long for 3600 mm gate and 3900 mm long for 4800 mm gate at hinge side; 2400 mm 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 3.7 mm (No. 9) galv. brace wire, twist to tighten
- 10 5 mm galv. wire cable, clamp at each end
- 11 13 mm galv. turnbuckle hooked on 12
- 12 5 x 50 x 200 mm steel strap, drill for 5 and 11
- 13 dimension varies - 900 mm for 3600 mm gate, 1200 mm for 4800 mm gate
- 14 gate lock, galv. heavy duty chain fasten to gate with galv. M10 eye-bolt and hooked in an M10 galv. bolt hook in post

