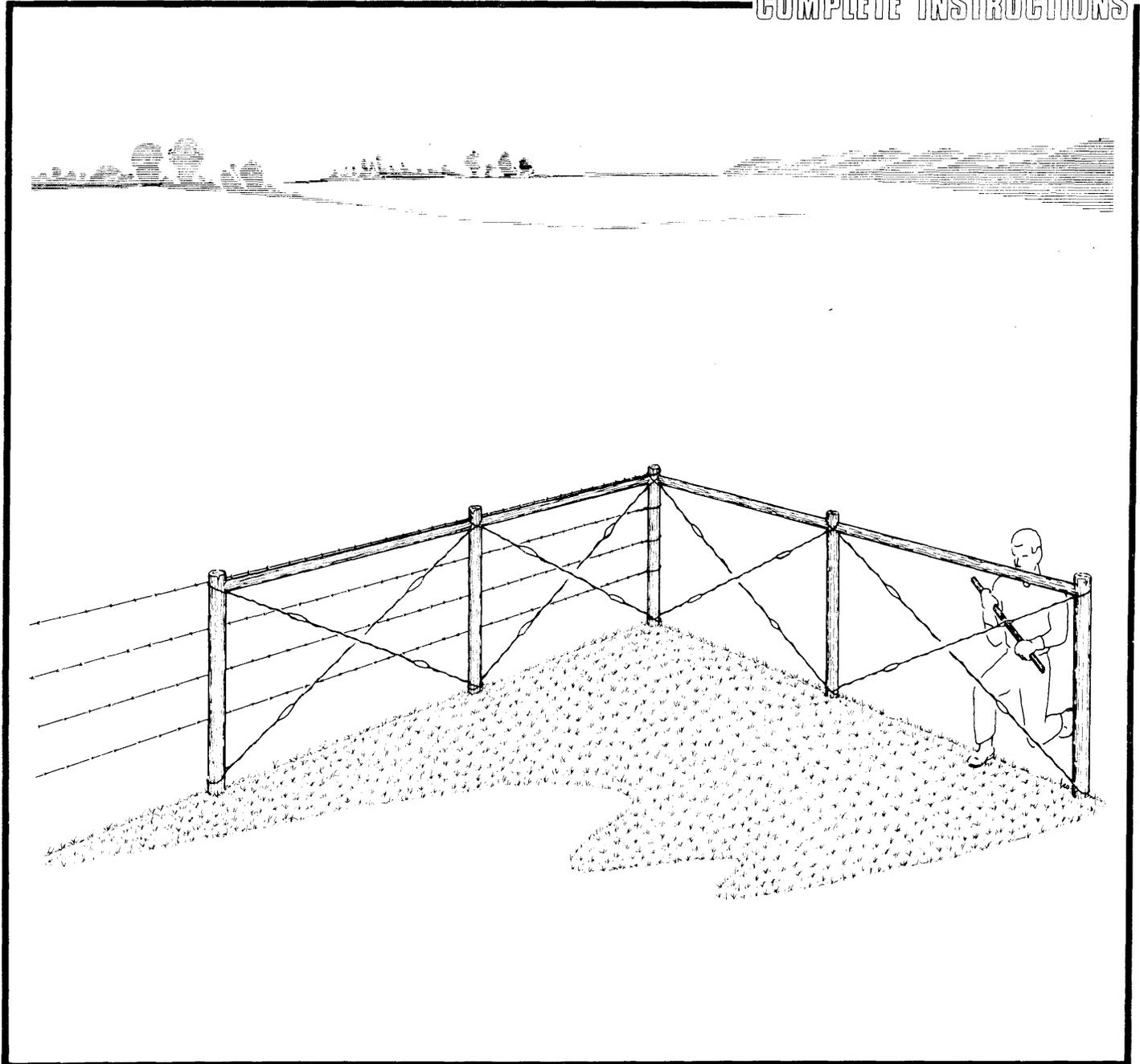




# BARBED WIRE SUSPENSION FENCING

COMPLETE INSTRUCTIONS



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.

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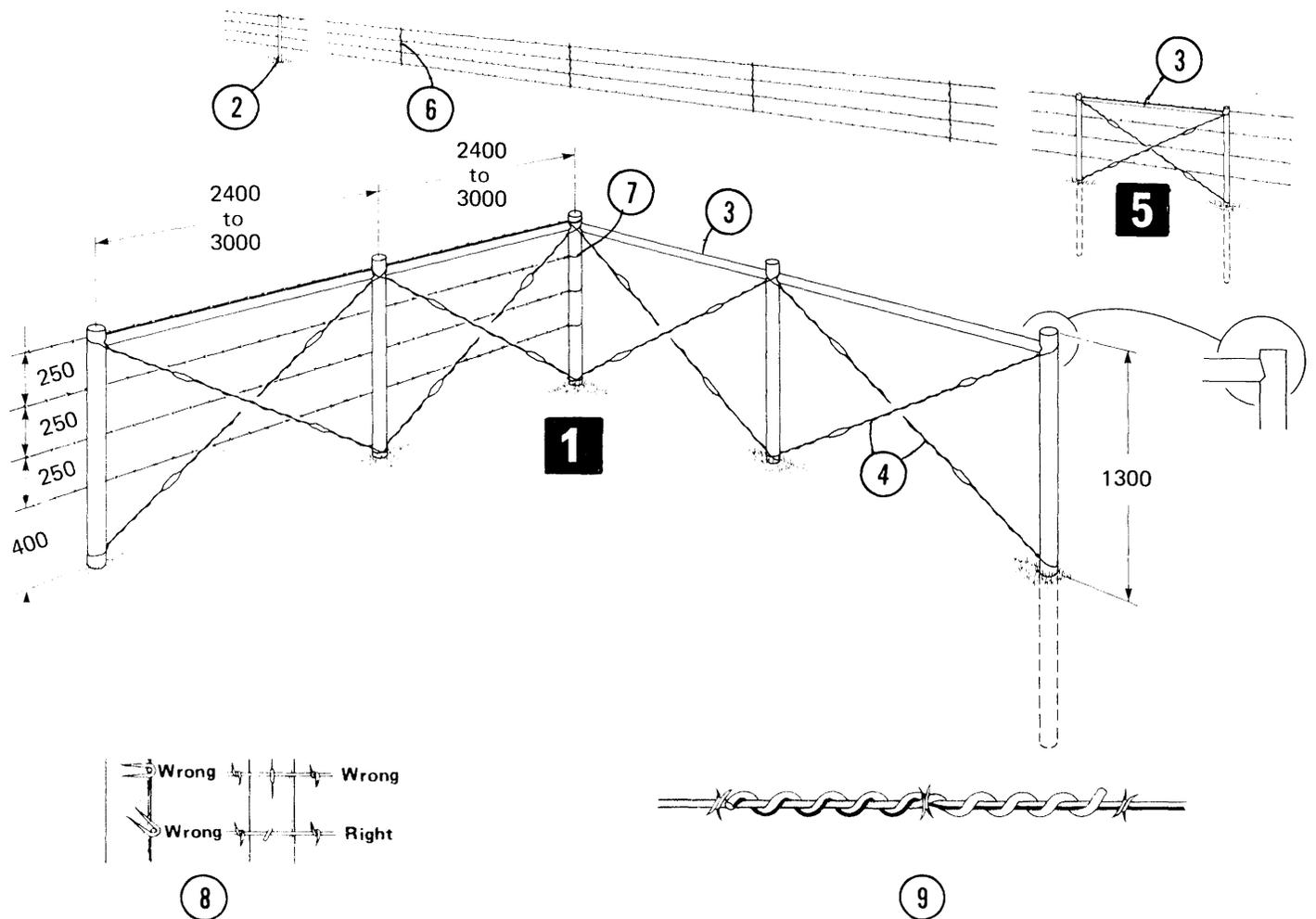
PLAN M-8367 REV. 86:08

This plan gives details of "suspension fencing" which is popular in Western Canada for fencing large, smooth land areas at the lowest possible cost. Posts are spaced at 15-30 m (50-100 ft) depending on the terrain, and the four rows of stretched barbed wire are stabilized by vertical twist-on wire stays at about 3.6 m (12 ft) intervals between the posts.

Some wood posts (like cedar) are naturally rot-resistant and can last 10 to 15 years under typical field conditions in Canada.

Most other woods are less durable and should never be used in ground contact without preservative treatment. Since galvanized fence wire is usually quite sound after 10 to 15 years of service, it pays to use pressure-treated wood posts. This can double or triple the service life of the fence at a small increase in the first cost of materials. Posts preservative-treated with chromated copper arsenate (CCA) according to CSA Standard 080 are recommended; they are durable, paintable and safer to handle than posts treated with some other wood preservatives.

A word about stapling the wire to the posts; do not tighten the staples (see 8), otherwise it will be impossible to get a uniform tension when stretching the wires.



- 1 corner detail for barbed wire suspension fence
- 2 wood line posts 150 mm top diam. x 2100 mm long (6 in. x 7 ft), or 2100 mm (7 ft) steel posts, spaced at 5-10 m (16-32 ft) depending on terrain
- 3 100 mm (4 in.) min. diam. brace rail
- 4 4 mm (No. 9) brace wire
- 5 stretch station at 180 m (600 ft) intervals

- 6 wire twist-on stays at 3.6 m (12 ft) oc
- 7 start wire lengths from corner posts
- 8 fastening methods; galvanized metal staples 50-63 mm (2-2 1/2 in.) should be driven obliquely at a slight downward angle, allow approximately 3 mm (1/8 in.) play for movement of the wire through the staple
- 9 wrap splice; the two ends to be joined are wrapped four times around the other wire