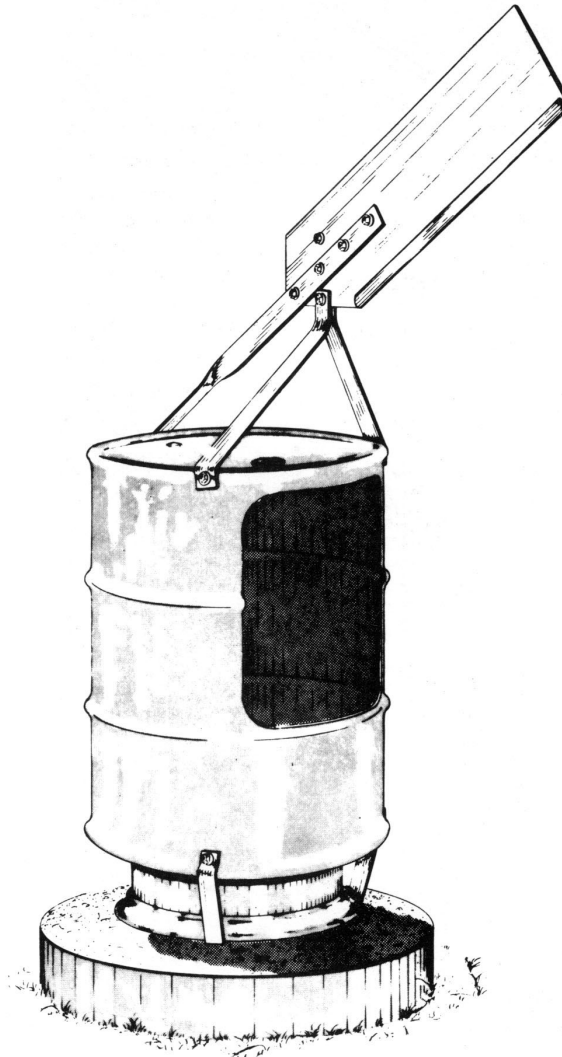


MINERAL FEEDER - WEATHER VANE

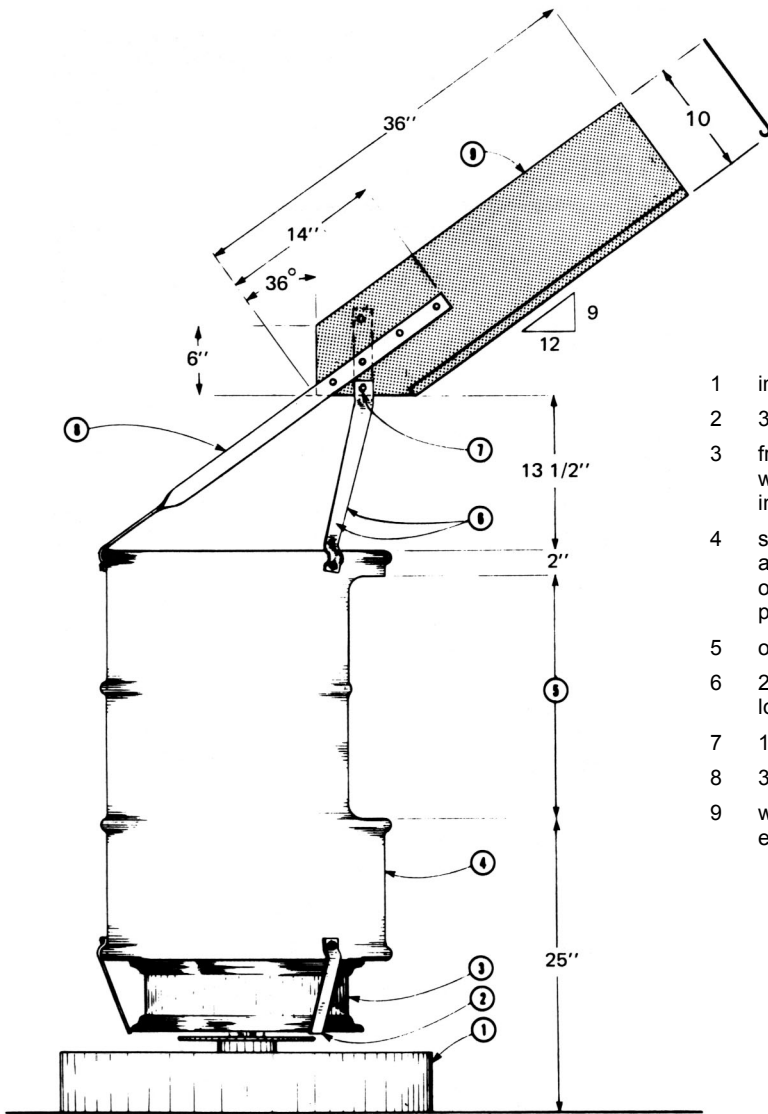


CPS
PLAN 1647 (FORMERLY 2162) REVISED 69:07

Details for a rotating mineral feeder are given on the back of this leaflet. This useful item of feed lot or pasture equipment is assembled from common hardware items including a standard steel drum and used automobile parts. Wind rotates the drum so that rain is not driven into the feeding opening.

The drum pivots on a sturdy concrete base which must be heavy enough to prevent overturning by cattle or wind storms. A discarded implement wheel or used truck tire makes a suitable form for casting the concrete base.

DEVELOPED BY CANADA PLAN SERVICE



- 1 implement wheel or used truck tire, concrete filled
- 2 3 – 3/16" x 1 1/2" x 8" steel strap
- 3 front automobile wheel, hub and spindle assembly; weld spindle to hub of implement wheel or to rebar set in concrete base ①
- 4 standard steel drum (approx. 23" diam.), cut opening ⑤ as shown, remove burrs and sharp edges, plug openings in top of drum for watertight top, clean and paint all surfaces with rustproof paint containing no lead
- 5 opening, 16" wide x 20" high
- 6 2 steel straps from 3/16" x 1 1/2", one 22" and other 28" long
- 7 12 – 3/8" dia. bolt, nuts and washers
- 8 3/16" x 1 1/2" x 40" strap
- 9 wind vane from 20 gauge galv. steel sheet, roll lower edge for stiffening and safety