CROWDING GATE & POST

SCALE: 1/2" = 1'-0"

GATE POST DETAIL
SCALE: 1" = 1'-0"

HOLDING PEN FENCE
WOOD OR METAL CONSTRUCTION

CAPACITY: 12 - 15 SQUARE FEET
PER HEAD (SEE TABLE)

8' GATE

SLOPE

LARGE DIA. WHEEL
WELDED OFF CENTER
TO CAR RIM.

CROWDING GATE

10' GARDEN IMPLEMENT WHEEL

FLEXIBLE STRANDED STEEL CABLE

PULLEYS

WEIGHT

WEIGHT SUPPORT DETAIL
SCALE: 1" = 1'-0"

ADJUSTABLE WEIGHT

L 3/4" WOOD PIN

1 1/2" SOLID RUBBER WHEEL

NOTES FOR BUILDING PEN ON A SLOPE

1. THE DOTTED OFF-CENTER WHEEL AND ARROW ARE
FOR USE ONLY WHEN THE PEN MUST BE SLOPED TO
FIT THE CONTOUR OF THE BUILDING SITE.

2. THE LARGE DIA. WHEEL, WELDED OFF-CENTER, GIVES
THE GREATER CLOSING POWER NECESSARY ON A SLOPE

3. DISCARDED IMPLEMENT WHEELS HAVE BEEN USED
SUCCESSFULLY FOR THE OFF-CENTER WHEEL.

4. THE WEIGHT NECESSARY TO CLOSE THE GATE WILL
VARY WITH THE SLOPE OF THE PEN.

5. THIS ARRANGEMENT HAS BEEN USED SUCCESSFULLY
WITH SLOPES OF 10%.

6. IN THE EVENT THE SLOPE IS TOWARD THE BARN
INSTEAD OF AWAY FROM THE BARN AS SHOWN, REVERSE
THE CENTERED POSITION OF THE OFF-CENTER WHEEL.

PLAN VIEW
SCALE: 1/2" = 1'-0"

R + 4'

R

15" CAR WHEEL RIM

TO MILking ROOM

VPI PLAN 8-554

COOPERATIVE EXTENSION WORK IN
AGRICULTURE AND HOME ECONOMICS
STATE OF VIRGINIA

UNIVERSITY OF VIRGINIA

UNITED STATES DEPARTMENT OF AGRICULTURE, COOPERATING

AUTOMATIC CROWDING GATE

COW CAPACITY AT
VARIOUS RADI
12 - 15 SQ. FT. PER COW

R

AREA

COWS

15'

1075 SQ. FT.

45 - 60

17'

910 SQ. FT.

50 - 75

20'

1200 SQ. FT.

60 - 100

VA. '67

EX 6037

SHEET 1 OF 1

FALL, 1967