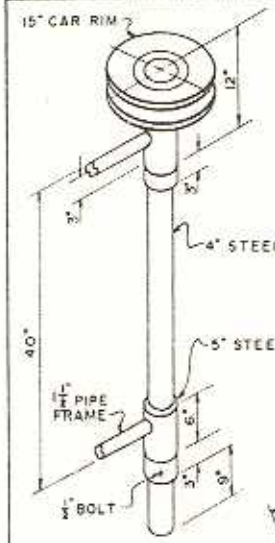
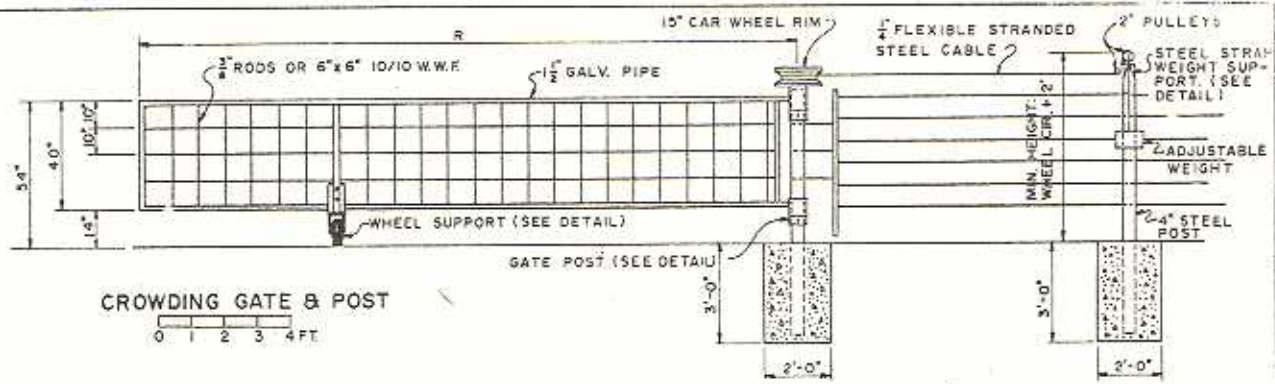


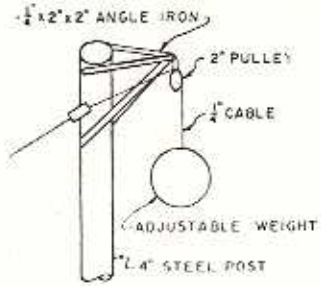
GATE POST DETAIL

0 1 FT



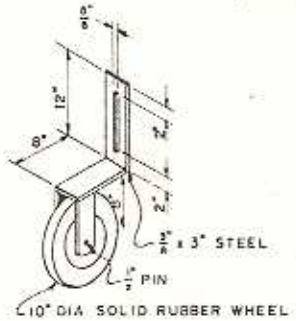
CROWDING GATE & POST

0 1 2 3 4 FT



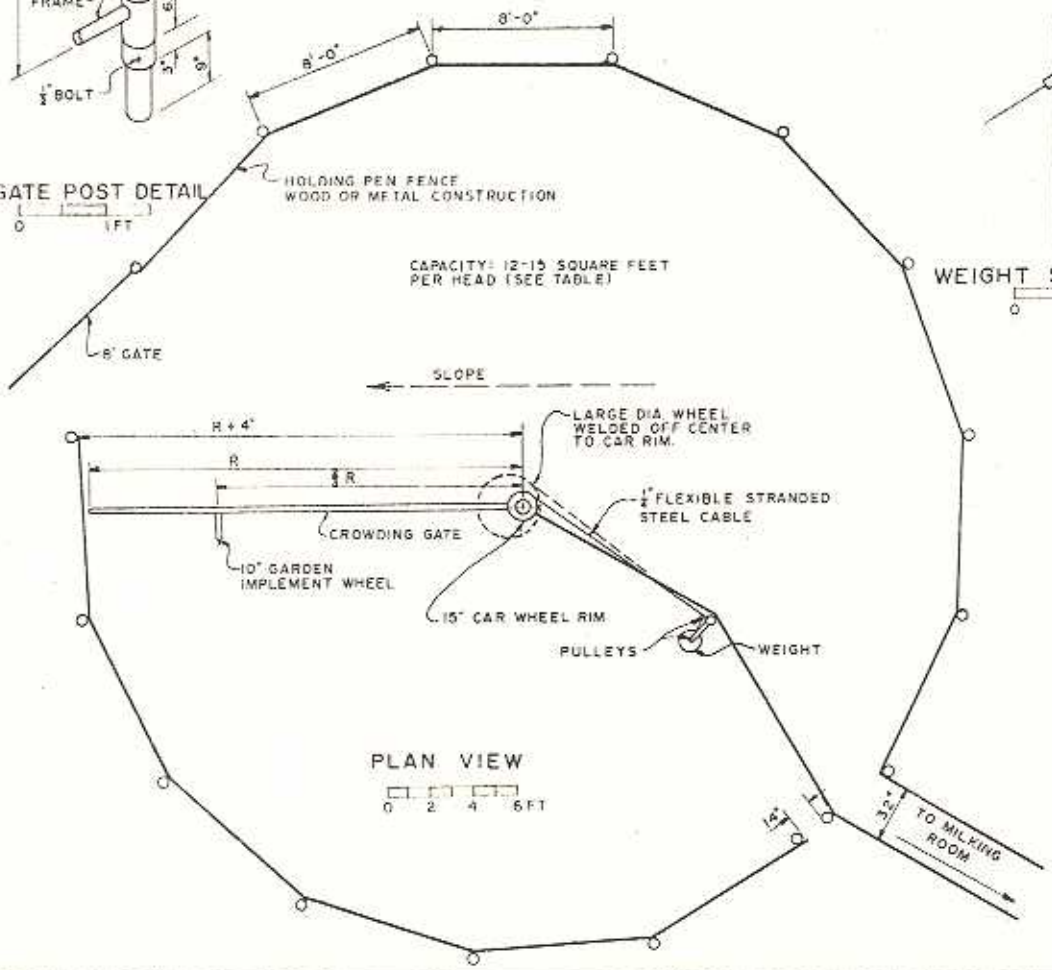
WEIGHT SUPPORT DETAIL

0 1 FT.



WHEEL SUPPORT DETAIL

0 1 FT.



PLAN VIEW

0 2 4 6 FT

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.

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

R	AREA	COWS
15'	707 SQ. FT.	45-60
17'	910 SQ. FT.	50-75
20'	1200 SQ. FT.	80-100

VPI. PLAN B-5.54

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UNIVERSITY OF MARYLAND
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AUTOMATIC CROWDING GATE

VA. '67 | EX. 6037 | SHEET 1 OF 1