nough to cover the manure well, then harrowed and rolled, when it is ready for the marker.

I have not tried many varieties of corn, as our and is heavy clay and can only be worked when it is dry. It is generally June before we plant, therefore the earliest maturing varieties are the most mitable, and the common yellow has proved the earliest; White Flint, King Philip and Smutnose yielding well, but not ripening before frost comes. I only grow a crop to husk, and plant in hills three feet apart each way, requiring about a peck of seed per acre.

As to cultivation, we sometimes put the harrow on just after the crop is up; then a one-horse cultivator is started as soon as the rows can be seen readily, adjusting it so as to draw the earth away from the small plants. It is gone through once each way, when it is hoed by hand around each hill, removing all weeds, and leaving only four or five plants. After this keep the horse going frequently, and as soon as the plants are up about six inches high the cultivator teeth are reversed so as to throw the earth towards the plants, and the work is continued in this way until the corn is too high for the horse to pass between the rows.

A \$1,000 Barn. To the Editor FARMER'S ADVOCATE:

night it would be rimed over. Generally keep temperature about 45 degrees. (Is that warm enough for cattle?)

[For milking cows that are not turned out of doors very much a temperature of 50° would probably be better, but for young and dry cattle turned out every day 45° should be about right temperature at which to keep cattle stable.—ED.]

I will enclose plan of stable and barn. I think the ADVOCATE is the best paper printed for us farmers at the price. Why, one issue is often worth subscription price.

JAS. B. GOVENLOCK.

Lansdowne Municipality, Man.

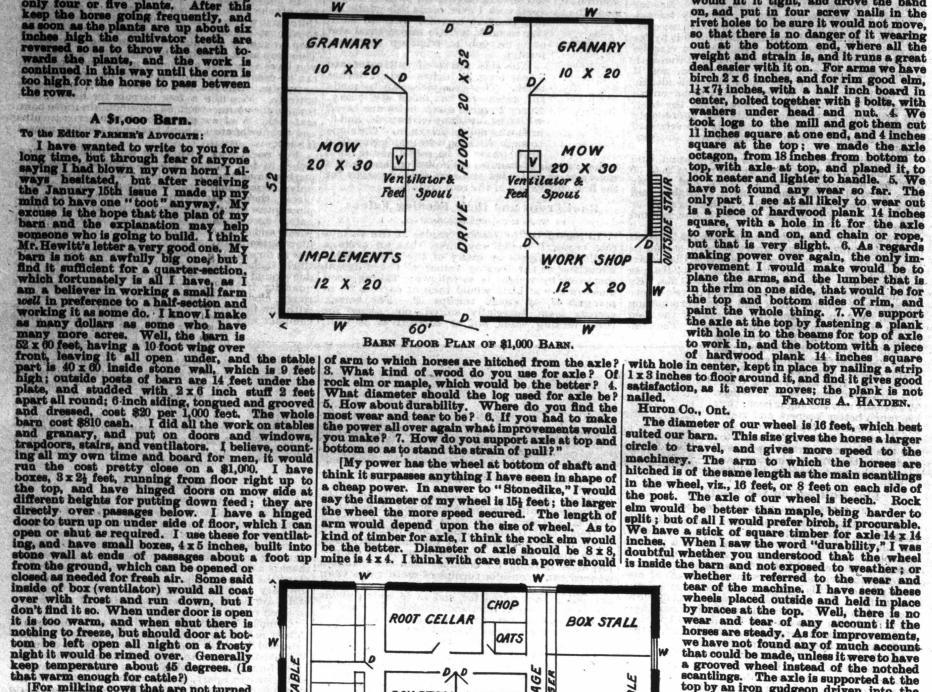
Windmill Power Capacity.

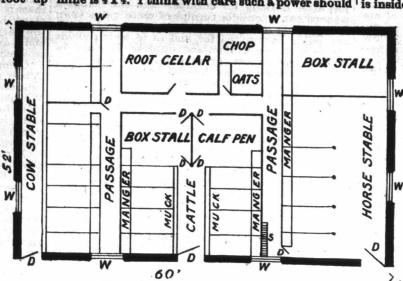
We learn from Mr. Hodgert that the 60-bushel rate was made in a fairly strong wind, by starting the mill and grinding three bushels of oats, fit for

cattle chop, in three minutes.
Since our series of articles on farm powers appeared in January, we have made inquiries from several owners of windmills, and are surprised to learn of results varying almost as widely as those of Messrs. McCurdy and Hodgert, and the conclusion that we have come to is that the location, mill has a very great influence upon its capacity for work. A bush or high bank a hundred rods away may have a marked influence upon the currents of air. We are led to believe that there is still much to learn regarding air currents—the source of power—so that we cannot judge other mills from the work done by our own.

Homemade Horse Power Construction. Homemade Horse Power Construction.

Stonedike, Ontario Co.:—"In an issue of the Farmer's Advocate there was a description of a homemade horse power with the driving wheel at TOP of axle. If any readers who have tried that style of power would give me information through these columns on the following points, I shall feel much obliged. The information might probably help others also. 1. What diameter of wheel do you find most convenient? 2. What is the length





Windmill Power Capacity.

Mr. S. D. McCurdy, Elgin Co., Ont.,
writes expressing astonishment at the claims made
by some of our correspondents regarding what they
could accomplish with power windmills. Especial
exception is taken to the claims of Mr. A. E. Hodgert, of Perth Co., Ont., that his 14-foot mill and
Maple Leaf grinder crushed oats at the rate of
60 bushels per hour, while with his (Mr. McCurdy's)
similar mill and power he is able to grind only 10
hushels per hour at the most favorable time.

BASEMENT PLAN OF \$1,000 Leaf.

BaseMENT PLAN OF \$1,000 Leaf.

It do not know of any improvement, unless
the rim would be made 7 or 8 inches wide instead of
tween the arms. My axle is supported at top and
bottom with pieces of white ash about 1 foot
long and 8 inches wide, 1½ inches thick at the bottom. It is fastened to floor with 3-inch wood
screws. At top with same sized piece as at the botscrews. At top with same sized piece as at the bottom, nailed to a piece of plank long enough to reach from one overlay to the other.

Elgin Co., Ont. CAMLY CHARLTON.

Our powers have wheel at the bottom and not top of axle, as it is handier to put the chain or rope on. I have one driven with a chain, and my brother one driven with a rope. We find the chain gives a little better satisfaction, as it does not expand sion that we have come to is that the location, height above ridge, and adjustment of the wind-

with wheel at top of axle, as the horse or horses are hitched direct to the arm where the rim with drive-chain is. I. We find 18 feet a very convenient sized wheel where a person has room, as on a double threshing floor, or one end of mow, and if room does not permit of that size, 16 feet will answer. With an 18-foot wheel a horse will make about 52 revolutions per minute, and we have our box geared to make about 250 revolutions per minute. It is a large sized one and we just use one horse. 2. We hitch whiffletree to arm about 11 inches from outside of rim. 3. One axle is rock elm, the other is beech, but any sort of wood that is handy will do for one of these, as I got an old buggy hub, one that has the bands up to the spokes and are riveted together (the kind that is commonly used now), and took the long band off, and made a small axle on the bottom end so that this band would fit it tight, and drove the band on, and put in four screw nails in the rivet holes to be sure it would not move, so that there is no danger of it wearing out at the bottom end, where all the weight and strain is, and it runs a great deal easier with it on. For arms we have birch 2 x 6 inches, and for rim good elm, 1½ x 7½ inches, with a half inch board in center, bolted together with \(\frac{1}{2}\) bottom look notes the mill and got them cut 11 inches square at one end, and 4 inches square at the top; we made the axle octagon, from 18 inches from bottom to top, with axle at top, and planed it, to look neater and lighter to handle. 5. We have not found any wear so far. The only part I see at all likely to wear out is a plece of hardwood plank 14 inches square with a hole in it for the axle to work in and on, and chain or rope, but that is very slight. 6. As regards making power over again, the only improvement I would make would be for the top and bottom sides of rim, and paint the whole thing. 7. We support the axle at the top by fastening a plank with hole in to the beams for top of axle to work in, and the bottom with a piece of ha

a grooved wheel instead of the notched scantlings. The axle is supported at the top by an iron gudgeon driven into the top of the log and passing into a hole in an elm plank bolted to two sleepers or beams under the mow. It must be seen that these are held firmly in place. At the bottom also there is an iron gud-At the bottom also there is an iron gudgeon driven into the log; and this passes into another plank, which is trimmed off at each end and side to prevent too much friction from the weight of the post and wheel. This plank is also bolted firmly to the floor. The gudgeons are one and a quarter inches in diameter and about a foot long. We are well pleased with our wheel and have but little bother with it. The floor on which the horse travels would be better to be

the horse travels would be better to be double planked and the top ones nailed firmly in place. Grey Co., Ont.]

An Ohio Law on Barb Wire.

In Ohio people are not allowed to build line fences of barbed wire without the consent of the parties on adjoining land. The following is an extract from the Revised Statutes of that State dealing with this matter. dealing with this matter: "No person or corpora-tion shall construct or cause to be constructed, in whole or in part, a partition fence from barbed wire, unless the written consent of the owner or lessee for three or more years of the premises be obtained. Whoever constructs or causes to be constructed a barbed wire partition fence without the consent contemplated in this section shall be fined not more than one hundred dollars (\$100) nor less than ten dollars (\$100)."

APRIL

Ch

put on seeme general Posts si spring Ano posts pe apart as galvani a fence fastenin side of around loop wi keep lo rail sla stapled post, a carry to horse two me old fen Ag wires, three g furrov mixtu satisfa

> your Setting We go loop n on it a could for abo in exp are me Mid To the SI of 1st

ing wi

especi favor in wh what and all m back wood being oak o acros soil h use a rods the with wire little

> same wire fence

block

To t " G clud with shou in f