

Agricultural.
How to Plow Well.
The Western-Burl gives the following directions for ploughing, which are as nearly perfect as language without illustration can give:
"There are three principal things necessary to good ploughing—first, the ability to properly guide a team; second, knowledge and tact to arrange the plough to the work in hand; and, third, an intelligence in gauging the furrow aisle and properly turning the furrow. These being learned, the rest is easy."
"The greatest difficulty with ploughmen is in laying out and finishing the lands. This being properly understood, the act of ploughing becomes simple enough. Let us give one easy, efficient and ordinary plan: Set a line of light stakes across the field; gauge the reins so that, when placed on the beam handle of the plough, at the point where it is grasped by the hand, the team being in motion, they will just be clear on the lips of the furrow. Place the team so that the line of vision will be over the mould-board of the plough and between the horses to the stakes. Set the plough so that it will turn a furrow from each side of the quarter more than half a depth of the plough; grasp the lines with two fingers of the left hand, and at the near of left side of the handle so that, when the rein is pulled straight back, there will be leverage enough against the handle of the life of rein to draw both the reins, pulling slightly to the left will swing the team to the right, and easing on the rein will bring them to the left. A steady rein will keep them straight, and, if they are to be turned right, if steady, no trouble will be experienced in keeping them in a direct line to do good work. There is no other plan that we have ever tried which a team is under so good control. Some practice is required by the ploughman to do good work, but less than by any other plan, not even excepting the Irish way of grasping a rein in each hand while holding the plough.
Keeping the eyes directly along the stake, seek to walk against the reins which they shall fall directly. Upon reaching a stake, do not stop, but continue to the end of the furrow. Bringing the team directly along the gauge, gauge the plough to cut the full depth from the start, and do not draw two more furrows. An ordinary ploughman may then be trusted to finish two-thirds or three-quarters of the land.
In ploughing the lands after they are laid out, the lines, without any adjustment to the work, may be carried around the lips of the ploughman; but if the team be fairly trained, they may be lightly led with two fingers of the left hand, or even be allowed to rest upon the handle, which leaves the body entirely free and it is the motion of the body as much as anything else that assists in doing perfect work.
"Each bolt about the plough should fill the holes, and every nut should be drawn tight. The team should be in direct line of draught, so that, when the team is going forward, the plough will cut its ordinary furrow with the guide pin in the centre hole of the beam, and when the side of the plough is to be turned, the three shall be turned naturally, and perfectly in the preceding furrow. If this be carefully attended to, half intelligent man can be taught in half a day on clear land, to do fair work in ploughing, by instructing him in holding the plough, gauging and turning the furrow, and in bringing the team and plough about at the ends.
"It is even more difficult to finish a land neatly and well than to lay it out. In laying out, the ploughman should be to see that the team draws even, and walks directly forward. Not only must this be observed, but, leaving a strip equal to two furrows, slice the plough should be gagged to take a furrow only the width of normal depth. Having turned one of the furrows thus, re-adjust the plough to the ordinary gauge, and turn the last furrow, making no balks. If it be necessary to clean the furrow for drainage, the plough may be passed down, back and forth, leaving the centre full of mellow earth; through which the water will percolate readily.
"Excellence in ploughing consists in laying out the lands, and thereafter keeping the furrows perfectly straight in having them uniform in thickness, and in laying them in such manner that they may best continue permeable to the air; in perfectly covering weeds and trash, so that they may not interfere with the sowing of the crops; in so varying the implements that they may do as perfect work as possible, whether in mellow soil, in stiff clays, among rubbish or weeds, in stiff sod or ordinary earth. All these must be reached by study—not only of the proper share of the plough, but also of the nature of the soil to be worked.
"All this the farmer should understand. To the mere ploughman, it is not essential. It is, however, essential that he be able to take a team, gauge, stake and strike out the land; adjust and re-adjust the plough, to suit the various contingencies that may arise, and to perform his work in a uniform and workmanlike manner. This constitutes good ploughing, and the performance is a good ploughman. The perfect ploughman is he who can, not only do all this, but knows why it should be so done. This constitutes intelligent labor. What portion of our ploughmen may properly claim this position is comparatively few. Why not? The simple act of ploughing, the knowing when and how to do it properly, is one of the most important labors of the farm. It is what often makes or causes serious loss thereon."
Farmers' Meeting.—Dr. Hunt said, at a recent meeting of the Warsaw Agricultural Society, that "an absence of fruits implied doctor's bills." The importance of a regular supply of ripe fruit to prevent disease cannot be over estimated, and the best medicine that can be given to a neglected family could carry to a newly-settled country to be a box of early-bearing fruit-trees, currant, gooseberry and raspberry bushes, and strawberry plants. A family who moved West took with them a very large supply of dried fruit, which they held through the first summer. None of them were sick, although disease prevailed all about them that year; but the next year, with more comfort and less privation, and with no fruit, they suffered much from sickness.

Educational Department.
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Debate on Resolutions at the Bradford Co. Teachers' Institute.

Resolved, That the efficiency of our schools can be better promoted, 1st. By the County Superintendent's visits to certify the observations when visiting schools, in respect to teacher's success, in procuring of teachers, and information to be secured from them. 2d. By publishing his observations in an annual county paper.

Resolved, That the County Superintendent should be authorized to employ a competent person, who should be paid for his services, to act as a book-keeper for the school, and to keep a record of the amount of money expended for the schools, and to report the same to the County Superintendent.

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