

Within this newly cleared tract there are a number of acres of peaty soil, representative of a very large area in both Quebec and Ontario, on which experiments with some varieties of grasses for meadow and permanent pasture can be carried on with great advantage.

Draining.

To bring the land referred to, as well as some other parts of the farm, into good condition, a thorough system of drainage was early devised, and before the close of the season 6 miles and 46 yards of tile drains had been laid, also 489 yards of box and open drains, including all the larger main drains, which will be required to complete the entire system of drainage. Some unlooked for expense has attended this work, from the fact that in many places ledges of rock were met with from two to four feet below the surface, which necessitated much blasting. The work, however, has been carefully and thoroughly done, and the land thus put in order will give increased returns, and will also aid in demonstrating the value of under drainage.

Grading and Fencing.

A substantial new fence has been erected, enclosing the entire farm. Owing to the irregularities of the ground, this has necessarily involved much grading, in order to avoid unsightliness and give a reasonably neat appearance to this part of the work. The roads along each side of the farm approaching the higher ground were hemmed in on either side by high banks, and when the snow drifted badly in winter, these cuttings became filled to such a depth, as to make the highway at times impassable. These banks have been cut down, the roads widened, and the material thus obtained used in filling the hollow places along the fence line. These improvements have added much to the appearance of the property, increased its value, and at the same time removed the obstacles to winter travel.

Plans.

A complete topographical plan was prepared at the outset, giving the relative heights all over the farm, which has been of much service in determining the best course for the main drains, and has been found very useful in other respects. A careful plan of the prospective farm, including locations for buildings, roads, shelter and forest belts, &c., has also been prepared by an eminent landscape gardener. This approved plan is being followed as a guide in all work, so that any part once completed, will need no further modifying, a condition of things which can scarcely exist without some well devised plan as a guide.

Horses, Waggon, Implements, &c.

The necessary supply of horses required for permanent work, with implements waggon, &c., were purchased in season for spring work, and from the second of May when operations began, until frost put an end to farm labour both horses and men, supplemented by such additional temporary help as was needed, have been kept actively employed.

Buildings.

A temporary office and a seed testing house were provided early in the year, and, as soon as practicable, work was begun on the permanent buildings. Dwellings for the several officers composing the working staff are being erected, and