

Mr. M. F. Rittenhouse

Whose name stands for generosity and benevolence
in his native county of Lincoln.

red clay. The remainder of this farm is composed of clay loam, some 27 acres, incumbent upon a heavier subsoil about 15 inches deep.

The contour of the Harris farm of 44 acres is more level, in fact, almost all level, with an occasional knoll. On this farm there is also about four acres of red clay. The largest part of the surface, however, is clay loam, about 30 acres, but it is shallow and lies mostly on a red clay subsoil at an average depth of nine inches. There are about 10 acres of sandy loam, six acres of which is more or less in a block, and four acres scattered over the farm in sandy knolls. The light soil averages 15 inches deep, and is incumbent upon a clayey subsoil.

The character of the soil on the two farms, as examined and estimated by a representative of THE HORTICULTURIST, may be summed up as follows:

Sandy loam, in blocks	8½ acres
Sandy loam, scattered	10½ "
Clay loam	57 "
Red clay	8½ "
Black muck, clayey	4 "
Bush land	1½ "

90 acres

From this it will be seen that clay loam constitutes 65 per cent. of the soil, and sandy loam a little over 20 per cent. While the farm, as a whole, is an excellent one for experimental purposes, yet the percentage of light soil for the culture of peaches, English cherries, small fruits, etc., is too small. This defect can be obviated by the purchase of the land across the road, on which Mr. Rittenhouse has given the government an option, where there is at least 75 acres of excellent light sandy soil, from one foot to three feet in depth,

and lying upon a subsoil also sandy, although slightly heavier in texture. Since the acceptance by the government of these farms, for the purposes of the station, several deputations of practical fruit growers have visited the place, and have expressed themselves as being, on the whole, well satisfied with the property.

OTHER ADVANTAGES

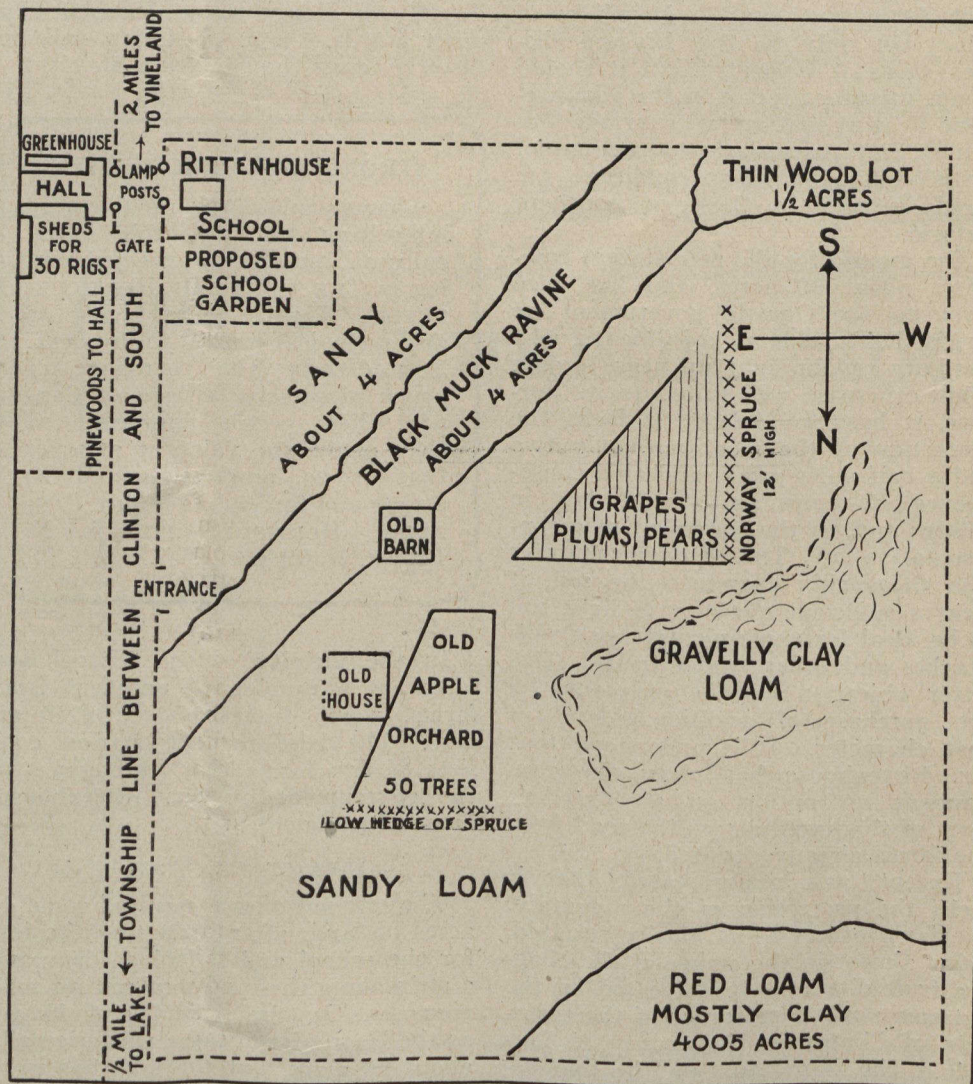
Immediately adjoining it is the Rittenhouse school and school grounds, which are models of their kind. Across the road is "Victoria Hall," splendidly equipped and built for public meetings and entertainments. Both these handsome structures have been donated to the section by Mr. Rittenhouse. On one side of the hall are large, well-built sheds for horses and carriages. There is an excellent system of waterworks in connection. The buildings are lighted with acetylene gas. The grounds around and about the hall and schoolhouse are well laid out and planted with trees, shrubbery and flowers. Nearby

is also a small public park for the use of picnic parties, and others who desire it.

Mr. Rittenhouse has agreed to give the farm the use of Victoria Hall for meetings, classes, etc. The pumping station will supply water to the farm and buildings at cost price. It is understood that Mr. Rittenhouse intends to macadamize the road on the town line from the lake to the stone road under the mountain; and probably he will lay a cement walk from the lake to the G.T.R. tracks.

PRESENT EQUIPMENT

There is now growing on these farms a few small plantations of various fruits. On the first farm that was given there are about one acre of grapes, two acres of apple orchard, one and one-half acres of pear orchard, and a couple of acres of plum trees, the latter of no value. On the Harris farm there are two acres of grapes, nine acres of apple orchard and about one acre of peach trees. The buildings now on the place



Plan of a Portion of the New Experiment Station

This diagram is a fair representation of the contour of the first farm given to the Ontario Government by Mr. M. F. Rittenhouse, of Chicago, for an experiment station in the Niagara district. It was drawn before THE HORTICULTURIST examined the premises as reported in this issue. We believe that a close examination will show that the area marked sandy loam in the diagram, is largely clay loam instead. The area of red clay is 4 or 5 acres, not 4005 acres, and in the left upper corner the word "South" should be "Louth."