to the height of 113 feet, and the ridge was traced more than
a mile and a half.   I find the details in the Geological Reports
of the State of Michigan, made by the U. S. surveyors.   They
are of great interest, as they disclose to the world the existence
of deposits of iron which have no precedent elsewhere, and be-
fore which the celebrated Iron Mountain of Missouri sinks into
insignificance.   The means of information which I have at
hand, afford me data for a very lengthy article regarding iron
deposit, which will form the topic of my next number.

How far this iron region extends into our State, is uncertain,
as the district traversed by surveyors extended only to the north-
ern and eastern side of the Menomonee river.   I have no doubt
that similar ridges will be found, higher up, on the Wisconsin
side of the river.   The country in which this iron ore is found,
is based upon a slate formation, which crops out in places, par-
ticularly in the rapids of streams.   In one place, the water falls
more than twenty feet, over a bed of magnetic iron ore, and re-
ceived the name of the "Iron Cascade" on that account.   This
iron ore can be smelted on the spot where it is found, as hard
maple, beech, yellow birch, and other woods abound in the im-
mediate locality, suitable for making charcoal for smelting pur-
poses.   The ores make the very best quality of bar iron, supe-
rior to the best Swede's iron, as has been proved by actual experi-
ment.

The whole region of the northern peninsula of Michigan, be-
tween the St. Mary and Montreal rivers, is characterized by
many interesting geological features.   Within those limits may
be found the igneous and sedimentary rocks, with their different
combinations.   Granite, sand-stone, the different varieties of
slate, limestone in varieties, including the lead-bearing lime-
stone, and beautiful varieties of marble, are to be found in this
region.

Immediately adjoining the shore of Lake Superior, and in
the vicinity of Ontonagon, one of the northern points of ter-
minus for this North-Eastern railroad, is found a variety of