Geological Survey.

River SL John, but the dependent on the sware side of the river was base compact, and contain more calcareous matter, purnece, have been eroted and are in operation at Woodstock. The ores over only 5 few miles from the furnaces, and the Intercolonial Reliency will afford the intercolonial Reliency will afford mility.

# P. E. ISLAND.

The reported discovery of an extensive and valuable deposit of Hematike in P. E. Island was found upon examination of the locality by the director himself, to be a mutake.

## MAPS

The additional topographical movemenments for the mays referred to nillie last report as being in preparation ware completed, but some intribution interaction in the second second second attracture. These maps are to the of the bastorn Tomoships from Si Jerome and Lake of Two Mountains to 10 miles east of S. Thomas, bollow Goeline, and from the S. Thomas, bollow Goeline, and form the second field attraction of S. Jeroma the Birley and Lake and Clones coal map of the Frand Lake and Clones coal Surbary Counties. 4.4 map of the Sydney coal field, c. B. 20 sequero miles

## ONTARIO.

Mr. Henry G. Venaor, F.1.S., continued ins investigation in the townships in the rear portion of the County of Landark and formed a tolerably complete geolegical map of its whole County from the Rideau on the south to the Madawaka on the north. The general execution of

#### APATITE MINING

was a great damper to mining enterprise It was not soon any giving out of the minoral. New discoveries are help, and daily. But the operations were how as help of the operations were how as order to ensure success, the most incapersive methods of mining should be used, and dependents of maying should be used. A packle are of a sujerfield in nurse

A number of very important depends of magnitue ipno oro in Lanark, Leeds and Frontenac Counties have been now renderd accessible by the opening of the Kingricoury of revealed by the opening of the Kingricoury of the the third and the second interest of the second of the second of the second, or underlying held, show per cent, the other definition of the second of the seco

#### MANITOBA AND NORTH-WEST TER-BITORY,

Mr. Robert Bell, C.E., F.(A.S., was employed during the sesson of 1874 (a the

country west of Lakes Manitoba and Winnipegosis, and cast of the Vailey of the Assemboline, including the Riding, Duck and Porcupine Mountains. Between Prairie Portage and Lake Manitoba, the ground in many places is a scitter of ridges ground in many patters is a sense reason regen and hollows, two to six chains apply and three to entit feet high. Good water at the depth of from four to infree feet is every-where found. From Totogon to West-there found. From Totogon to Westwhere found. From Totogou to West-bourns the course of the White Mud Bucer is marked by groves of trees, chiefly ein and oak. From Westbourne to withm 18 miles of the Little Saskalchewan, the sou is of a light sandy nature, but the last 15 miles of the Little Sackaichewan, the soul is of a light kandy nature, but the last is miles us a hilly reguon, with a boundhin urean cases and wood, unterspected with ponds and annall iskes, and tree from boulders. Beautigui Paus, on which the government provision depot is situated, as a low wide straight ridge; 25 miles long, running N. N. W. Lis composed of samp and graces, why are also do not your grace and and gravel, with a smooth surface, sup-porting a scatty growth of wirg grave, and bordered with trees on either side. About 5 miles to the east, a similar ridge hese parallel to it, and there are other similar ridge east of these further north. They all resemble gravitarilicial normites clear-ed in the words, from the Little backsteq in the woods. From the Little Baskst-chewan or Rapid River to Fort Ellice the soil is good, a sandy and gravelly form, with a coating of black mound. West of the Assimibality, a barren tract extends for some distance around Fort Ellice. For 20 some originates around for the two provids. A few moles south, the sand is thickly stream with Lowerchian boulders of small are. North from Fort Ellice, the trait to Fort Pello on the west side of the Assimiboine passes for 50 miles over the sandy tract, after which the soil improves and tract, after which the soil inproves and trees and hushes replace the open prairie. From the mouth of the Mull River, is Prom the mouth of the Mull River, is Pelly, the oblight is remember of the molify. In the Assimboure Vulley at Mir condity. In the Assimboure Vulley at Nor-Pelly the soil is good, bot the fogs prevent wheat ripering. On the higher ground the soil is good, both nor is and conferent fully and the Crow Stand, on Little Boggy Creek, a branch of the Assimboure, Bendles N.S. E from the Fort, the soil is of a fuir quality, mearly free from Net. Estimates and prove Greek, another branch of the Assimboure, Greek, another branch of the Assimboure, Greek, another branch of the Assimboure, State State State State State State State State Greek, another branch of the Assimboure, south 7, with a Greek, another branch of the Assimitoria, flowing through a level country, with a good clayey and gravely loam sol, and in some puts well-wooded. The country about the Upper Shell River, turther north, is of the same character, well-wood-ed, except on the twee backstoring south MOTE, HOI MOTENTIFE CURRENCE, THE SACH del, secrept not the Two Bunks along South good quality. Thirty-two miles were sa-phored nines Big Boggy Creek, and 31 on Upper Shell Sitter. The table law deal to the upper part of the river, was of a marshy character, with numberous shall, that grant, and inhabited by numbers of wild ducks. All these streams flow much infor hearty parallel to the Assimbolue there is taid down in the mains. From there the trail of som Lake rouses continues for 58 miles on the N. W differ of the two when it recourse to the 5 E. of the river, when it recomes to the S. E. A few miles N. of Fort Pelly numerous blocks of limestone are found, from which

YEAR BOOK AND ALMANAC OF CANADA FOR 1877.

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