## FIRST REPORT, \&E.

## Qrem


#### Abstract

To II is Rxcellency Sir John Colborne, Knight, Commander of the nonst Honorable Military order of the Bath, Licutenant Governor of the Provence of Upper Canada, Major Girneral commanding II is Majesty's l'orces there- 


At at an ealy poividafter the passing of the act authorising and appointing are to examine the -Welland Camal, and to report to your Excellen:cy "all such fucts and information" as I might "derm useful, in aid of forming a correct opmion" of that worh; "its progress, condition and firill a usefulness," I proreeded to Purt Dahhousie, and from thenee along the whole lane to the Dan at the Giand River; and personally inypected us fir as the st te of the weather ubuld admit, the Werber oi Lahe Ontaio: the Deep Cint, the Lereke, the Iqueduct, the Feeder, the Dam, and the creavathon generally.

## THF DESY CET.

As the 1 ith Siction of the Statinte requises a ves mmute and patietlar examination of the Drep Cut to be mate, in ondm to aveertan a fir dopeuticable, "the probinntisv shete is ut the statilhy or inst iblats of the hathla," I have wited and inspected that siction of the work
 - refully enquiring woto, and soting down, such fati and octurares as I coandered likely to prove ueful.

Several slips in the left or West bank have then place thes perme; the sufierearea of one of them perhips exeocing hill an acie-but the wil thus deposited in the Cimot, has partly fillod up the vimut yace below the new liottom level, and by wdening the summit level, rather hencfatted ban ingaced the barieation. I wis intiomed that at the place where the banks had diedly given way. duing the present year, the wolbue: on the Canal had fist dineovered the sof chay bottom, and on furthey digging aruxed at a suatum of quichsond.

An opinion is very gencrally entratained, by persons residing near the Canal, that the margin will give way in other places along the line of deep cutting; and it is indeed probable that such will be the case; for the banhs that remain untroken, are apparently in the same unstable condition as weac thoso places wheh have already tallen in; the quality of the sonl is the same and they are equally steep-But I do not apprehend any very selious consequences fiom thus slate of the banh, for there are now eight, ten, and in some phaces, trolvo feet of wates and vacant space in the Camal, below its preaent base level, where the magin has not cas ed m; and unless the binks neec to give waly on both sides, the soll, (judging fiom the expenerece of the hast eighteen monthe, would not be likely to fill the cand any fiather than to its base level, and scancely, if at all, interrupt navigation.The slips thit hase taken place since the Werhand Rives level was abimitoned, have ecrasioned vesy litile adduisal excavation or to cuble. Ifound a few liborers employed clening out a botom channel of awnty feet width for a stom t didunce-The cuting was meither decp not extrasive.

The banks on the towing path sike are stecp, but have thons far stoot the test of the searons, evept in a voly few place-when the Cand is nilled with water, there wall be murh less chance of the ades grving way in the section, than there is in it- pesent state; and, lookng at the subject m this its wost point of vew, I can decidedly express my opiamon that the anticipation of wuch an erem ought not to be allowed to prevent or hiader the completion of the Cand, or be recrived as an argument against its unlity as a permanent public wook. Were the son to cave in so as to stop the passage of rensols it could be cleared out and placed at a peper dotince at no gest expence-ind without mach loss of tume, and that is the worst that can happen.

It is to be regretied howeser, that more piecaution was not made use of by the pracip,

