

ENGINEER'S REPORT.

Office of the Grand River Navigation Company, }
DECEMBER 31, 1835.

GENTLEMEN:—I beg leave most respectfully to report the state of the Works on the Grand River Improvement up to this date:—

SECTION No. 1.—The Towing-path from its commencement near Cayuga to Indiana is finished. A few yards of gravel and loose stones require removing from the bed of the River below Indiana, which can be done without difficulty in midsummer when the water is low. Lock No. 1, at Indiana is finished with the exception of planking above water, also hanging the Gates, which can be done in about a month, there are also about 100 yards of excavation below the Lock which can be done in the same time.

SECTION No. 2.—The inland cut from Indiana to Dam No. 1, is finished with the exception of a small bar at its head, which can be removed in a few days, thence to Davis' or Dam No. 2, requires about 100 yards rock excavation opposite Mc'Kenzie's Creek, which can be done at a small expense in midsummer, when the several dams on the navigation will require slash boards, from 12 to 15 inches wide. Lock No. 2 at Davis', is finished with the exception of hanging the gates, filling in the coping and sundry small matters, all of which can be done conveniently in a month. The embankment on Young's Island will require to be raised about a foot to make it safe and permanent. Davis' Dam requires an apron, which can be done at any time next summer without injury or impediment to the navigation.

SECTION No. 3.—This section is finished, including Lock No. 3 with the exception of a small bar at the head of Davis' Lock, a few loose stones, which require to be removed below Lock No. 3, and a few hundred yards of gravel required to finish Dam No. 3, which latter can be done to advantage on the ice this winter. I would beg to recommend the making of a slide on the Dam for the convenient and speedy passage down of rafts and of lumber, timber &c., this is required to supersede the necessity of passing down the cut at the place, and it can be done at any time without impediment to the navigation.

SECTION No. 4.—This section including Lock and dam No. 4, is finished, with the exception of a few yards of stone, which require to be removed a little below this Lock.