

of thirty feet, raked level, and an inch or two of sand strewn over it. It should be properly provided with ditches on either side, and culverts when necessary. Care should also be taken to give the road the proper convexity, to clear it of rain water; but not to make it too convex, for then people will only follow the middle, or crown, the only place where carriages will run level, and by constantly following the same track will soon cut it into channels which will retain the water. McAdam thinks roads should be made almost level, and Mr. Walker, an equally good authority, recommends the least possible convexity consistent with the drainage of the road. A carriage will always move easier, or with less resistance, when the load lies evenly upon the wheels. Macadamised roads can be constructed over swamps, by laying down small brush or tree branches, covering these with gravel, and then laying on the ordinary stone material. We have often heard it objected that macadamised roads do not suit Lower Canada, because the winter frosts raise, and render them uneven in the spring; but if this ever happens, it is because such roads have not been properly drained.

When the first section, say ten miles, of