

all hands, that such an undertaking would be of vital interest to this Province, but that the vast expense with which it would be attended, places it beyond the reach of our limited Provincial Funds. From this circumstance, and some natural difficulties which have presented themselves, the project has been abandoned. Rail or Tram-roads having recently superseded the more expensive, and less speedy method of transmission of heavy bodies, we see no possible barrier to our Legislative Body granting a sufficient sum of money next session to carry the same into effect, the distance being so short, the expense would not exceed the price of building an ordinary sized timber vessel, say £3000, and should the provincial government not notice this important measure, we should strongly recommend it to the notice of private individuals, to form a Joint Stock Company for its execution—we feel convinced the *spec* would be lucrative to its undertakers, as well as a general benefit to the province. It would cause a great portion of the Quebec trade to flow through that channel—create two new towns, one at each end of the line of road, and become the general travelling rout to and from the Canadas. Linking a steam boat to each end, would make the hitherto broken chain of communication complete, from the westernmost navigable lakes of Canada, down through the St. Lawrence, the Bay of Fundy, and coastwise along the American shore, to the source of the Mississippi and Missouri, presenting a line of communication hitherto unrivalled in the history of the world, and exhibiting the ingenuity and enterprise of the mind of man, in a light truly astonishing.—*British Colonist, N. B.*

SURVEYING INSTRUMENTS.—We unhesitatingly and uncompromisingly advance, that *one half* of all the surveying instruments, and *the like proportion* of those for plotting, used in this country, are inaccurate in some essential degree. We scarcely know of one Theodolite, the lowest price for which is twenty pounds of our currency, which deserves entire dependence. In some the needle is not poised on the same centre on which revolves the graduated limb; and consequently the needle forms no check on the angular observations. The line of collimation of the telescope sometimes is not to the same plane with the meridian, or the line of Zero, of the instruments; and the line of sight through the telescope, which is governed by the position of the eye-glass and object glass, not agreeing with the line of collimation. The graduations of the horizontal and vertical limbs are often inaccurate, as well as those of the verniers annexed; and those in the compass box attached, seldom coincide with those on the horizontal limb. The level glasses are frequently untrue, and very badly adjusted; and the spindle on which the instrument revolves when fixed in a level position ready for observation, not accurately turned. The brass of a very large proportion of the circumferentors, and; commoner kinds of in-