hope for daring this century. The number of two horse teams, traveling at the rate of three miles per hour, that could pass over it in one hour in both directions, would be 2,584; which would make 60,816 in 24 hours. This is at least twenty times the number that cross our ferries daily. 18,000 vehicles have been known to cross London bridge in twelve hours; but that is the great highway between the two portions of the largest city in the world; and should we ever rival London in population, there is no reason to suppose that the common travel across the Mississippi river would equal that across the Thames. Foot passengers could cross at the rate of 35,000 per hour, or 840,000 per day.

At the present price of labor and materials, I would estimate the approximate cost of the bridge as follows:

Real estate for approaches, 1,000 front feet, at $425 per foot.....$425,000 00
Embankments for approaches, west side, 40,000 cubic yards, at 25 cents................................. 10,000 00
Embankments for approaches, east side, 50,000 cubic yards, at 40 cents....................................... 20,000 00
Embankments for railroad, 260,000 cubic yards, at 40 cents..... 104,000 00
Paving approaches and flooring of roadway.......................... 15,000 00
Coffer dams and foundation..................................... 340,000 00
Rubble masonry in approaches, 2,000 yards, at $3........ 12,000 00
Masonry in piers, 20,000 cubic yards, at $20........ 400,000 00
Masonry in approaches, 18,000 yards, at $12........ 216,000 00
Floats, scaffolding, &c., for the erection of the tubes........ 125,000 00
Wrought iron work, 4,956 tons, at $280...... 1,386,000 00
Cast iron work, 1,280 tons, at $140...... 179,200 00
Tests, painting, machinery, &c.......................... 25,000 00
Engineering, superintendence, &c............................ 75,000 00

Total.................................................................$3,332,200 00

I estimate that the cost of the bridge at the prices of labor and materials ruling in the year 1860, would be about $1,900,000. The above estimates of cost are based upon the best information that could be obtained without going into laborious and costly investigations, and they are believed to be sufficiently accurate to form a basis for financial action. The cost may be regarded as enormous, but it is small compared with the magnitude of the interests involved, and with the sums expended elsewhere for similar purposes. At Montreal more than $8,000,000 have been expended in bridging the river St. Lawrence for railroad traffic; and the city of London has expended untold millions for cross-