ford Suspension Bridge. Mr. Drewry, an old but excellent authority, observes that any body of men marching in step at from 3 to 3½ miles an hour will strain a bridge at least as much as double the same weight at rest; and he adds, “In prudence, not more than one-sixth the number of infantry that would fill a bridge should be permitted to march over it in step.” Mr. Roebling says, in speaking of the Niagara Falls Suspension Bridge, “In my opinion, a heavy train, running at a speed of 20 miles an hour, does less injury to the structure than is caused by 20 heavy cattle under full trot. Public processions marching to the sound of music, or bodies of soldiers keeping regular step, will produce a still more injurious effect.”

Evidently a difference should be made in determining the load for London Bridge