This talk is based on joint work with Harm Derksen. It is about studying Brascamp-Lieb constants (more generally, the capacity of completely positive operators) via quiver invariant theory. For a bipartite quiver $Q$, real representation $V$, and integral weight $\sigma$ of $Q$, we first explain how to attach to the quiver datum $(V, \sigma)$, a completely positive operator whose capacity defines the capacity of $(V, \sigma)$. Next, we describe several structural results about the capacity of quiver data. In particular, we show that the capacity of $(V, \sigma)$ is positive if and only if $V$ is $\sigma$-semi-stable. Furthermore, we explain how the quiver version of the Kempf-Ness theorem in invariant theory can be used to study of the capacity of quiver data. When these results are applied to the $m$-subspace quiver, one recovers the main structural results on the classical Brascamp-Lieb constant due to J. Bennett, A. Carbery, M. Christ, and T. Tao. (Received August 20, 2018)