seventy millions of pounds weight a foot high. This is actually the *average* effect of an engine at this moment working in Cornwall.* Let us pause a moment, and consider what this is equivalent to in matters of practice.

(50.) The ascent of Mont Blanc from the valley of Chamouni is considered, and with justice, as the most toilsome feat that a strong man can execute in two days. The combustion of two pounds of coal would place him on the summit.†

(51.) The Menai Bridge, one of the most stupendous works of art that has been raised by man in modern ages, consists of a mass of iron, not less than four millions of pounds in weight, suspended at a medium height of about 120 feet above the sea. The consumption of seven bushels of coal would suffice to raise it to the place where it hangs.

(52.) The great pyramid of Egypt is composed of granite. It is 700 feet in the side of its base, and 500 in perpendicular height, and stands on eleven acres of ground. Its weight is, therefore, 12,760 millions of pounds, at a medium height of 125 feet; consequently it would be raised by the effort of about 630 chaldrons of coal, a quantity consumed in some founderies in a week.

(53.) The annual consumption of coal in London is estimated at 1,500,000 chaldrons. The effort of this quantity would suffice to raise a cubical block of marble, 2200 feet in the side, through a space equal to its own height, or to pile one such mountain upon another. The Monte Nuovo, near Pozzuoli (which was erupted in a single night by volcanic fire), might have been raised, by such an effort, from a depth of 40,000 feet, or about eight miles.

* The engine at Huel Towan. See Mr. Henwood's Statement "of the performance of steam-engines in Cornwall for April, May, and June, 1829." Brewster's Journal, Oct. 1829.—The *highest* monthly average of this engine extends to 79 millions of pounds.

† However, this is not quite a fair statement; a man's daily labor is about 4 lbs. of coals. The extreme toil of this ascent arises from other obvious causes than the mere height.