

	oz.	d.	gr.
Pure earth, very dry	0	6	16
Oker	0	5	9
Porcelain of the Court de Laura-			
guais	0	5	2½
White chalk	0	4	49
Cherrywood, which although lighter			
than most other woods, is that			
which takes in the least fire	0	1	59

I must here observe, that a positive conclusion must not be made of the exact specific weight of each matter from the preceding table, for notwithstanding the precaution that was taken to render the globes equal, yet, as I was obliged to employ different workmen, some were too large, and others too small. Those which were more than an inch diameter were diminished, but those of rock chrystal, glass and porcelain, which were rather too small, we suffered to remain, and only rejected those of agate, jasper, and porphyry, which were sensibly so. This precision in size was however not absolutely necessary, for it could very little alter the result of my experiments.

Previously to ordering these globes, I exposed to a like degree of fire, a square mass of iron, and another of lead of two inches diameter, and found, by reiterated essays, that lead heated

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