

activity, by arranging the position of existing material, and timing the liberation of existing energy, as to produce results concordant with an idea or scheme or intention : it can, in short, "aim" and "fire."

Guidance of *matter* can be affected by a passive exertion of force without doing work ; as a quiescent rail can guide a train to its destination, provided an active engine propels it. But the analogy of the rail must not be pressed : the rail "guides" by exerting force perpendicular to the direction of motion, it does no work but it sustains an equal opposite reaction.<sup>1</sup> The guidance exercised by life or mind is managed in an unknown but certainly different fashion : "determination" can sustain no reaction—

<sup>1</sup> It is well to bear in mind the distinction between "force" and "energy." These terms have been so popularly confused that it may be difficult always to discriminate them, but in Physics they are absolutely discriminated. We have a direct sense of "force," in our muscles, whether they be moving or at rest. A force in motion is a "power," it "does work" and transfers energy from one body to another, which is commonly though incorrectly spoken of as "generating" energy. But a force at rest—a mere statical