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ghts, and a scavenwledge as working as lords, ress and rves, and e analysir Isaac Newton, and that of a chimney-sweeper, it would have been found that both were made out of the same divine material. There can be no just cause why a scullion should not have as correct opinions as a princess or a philosopher. The minds of women are the same as those of men, and as capable of receiving and retaining philosophical information; and in many instances have far more need of scientific knowledge.

All labour is performed scientifically or unscientifically; but one great advantage of the former is, that it lightens toil and gives pleasure to the mind. Every operative ought to be well acquainted with the MECHANICAL POWERS. These are five in number—namely, the wheel and axle; the lever; the inclined plane; the screw; and the pulley. It is impossible for any one to tell the extent to which these lessen the labour of man.

What an immense aid, for example, is the lever! A thorough understanding of this one power would wipe the sweat from the face of millions, and render their labour comparatively light. A scientific operative can do more work with less labour than an unscientific one. A porter who is carrying a burden, if he understands the laws of Nature respecting the centre of gravity, will be able so to adjust his load as greatly to ease his shoulders. The same may be said of loading a truck or cart. This one law respecting the centre of gravity is as extensive as the material universe, and as immutable as the throne of God; so that if there is a man in the moon who has to carry burdens or load trucks, he must obey it, or pay the penalty of disobedience. I have heard a man curse his burden, fall into a passion with his wheel-barrow, or swear at his donkey; when the only thing to blame was the centre of gravity, or rather himself for not knowing its universal, immutable, and omnipotent laws. Had he studied and obeyed these, he might have saved his ass from stumbling, his cart from overturning, his shoulders from being galled, his body from being tired, his temper from being ruffled;