

THE IMPORTANCE OF A WORKING MAN HAVING A SCIENTIFIC KNOWLEDGE OF HIS TRADE OR OCCUPATION.

SCIENCE is *correct knowledge*. Incorrect knowledge is ignorance; so that there are but two kinds of notions or ideas in the world: the one right and the other wrong; the one true, and the other false. Now everything that we see, hear, feel, taste, or smell is an idea, or a number of ideas, and is intended to give us knowledge: for the word *knowledge* means nothing but a collection of ideas; and to have a correct knowledge of Nature and Art is to have scientific thoughts or ideas. One man looks at the sun, and finds it in the east in the morning and in the West in the evening, and says that the sun moves: this shows his *ignorance*. Another looks at the change from east to west, and tells me that the earth has moved, and *therefore* the sun, though stationary, has seemed to move: this is *science*. If I travel from the west of London to the east, when I start St. Paul's is in the east; but when I have arrived at the eastern end, St. Paul's is in the west; and the same has happened with respect to my position in reference to St. Paul's that would have occurred if that great building had passed by me, and fixed itself at my west. We mention this as an illustration of the difference between incorrect ideas and scientific ones.

Every person must have right or wrong thoughts, and there is no reason why a hedger and ditcher, or a scavenger, should not have as correct opinions and knowledge as a prince or a nobleman. Working men and working women have naturally the same minds or souls as lords, ladies, or queens. Dissect the body of a sempstress and that of an empress, and the flesh, blood, bones, nerves, and muscles are the same; and so if any one could have analysed or cut to pieces the soul of Lord Bacon, or Sir Isaac

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