

and, instead of being in a raging, foaming fury, might have been a gentle philosopher, admiring the laws of Nature; and a devout Christian, adoring that divine benevolence which made "everything very good." Thus the very load which seemed to threaten to press him into the earth, would have given his soul wings to soar to heaven.

Washing, fire, lighting, cooking, &c. &c., are all interesting and important branches of chemistry; so that our kitchen-girls, cooks, and laundresses ought to be well acquainted with this branch of philosophy. For want of this, the children are starved, the house filled with smoke, the potatoes half-boiled or sodden into pap, the furniture spoiled, the poor man's shirt as dingy as if it had been washed in pease-porridge; the money is wasted without purchasing comfort, the wife is out of temper, the family is in beggary, the husband flies to a gin-shop or pot-house—and, at last, some are driven to the streets, some go to the union, while others are transported or hung.

And yet, a *little practical chemistry*, with one tithe of the labour, would have saved all from ruin, and made the house a physical paradise. By a small modicum of science I have known a month's clothes of a large family, which according to the old process of ignorance, would have taken three or four days of steam, soapsuds, ill-temper, hurry-scurry, damp, fever heat, rheumatic, &c. &c., all washed, ironed, and put away in the drawers, in less than a day, and every garment looking as white as the driven snow, into the bargain. Hurra for the exploits of science, in the hands of that supposed unscientific being, woman!

In every trade and occupation there is science. Every labourer is a practical philosopher, though too often like the bee or beaver, working in the dark, performing prodigies of science without having the least idea of his own skill. This ought not to be. Animals may work from instinct, but reason and science are the only proper guides for mankind; nor should the workman be a mere machine,

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