

preparations. The latter to be so varied as to comprise, with the more common, the rarer lesions; in short, such a display as can only be accumulated gradually, after tens of years of collection. And in addition to these there should be as many series of the best executed plates or drawings, as well as such varied objects, or models, or instruments as are generally serviceable.

As you pursue your studies you will find them very entertaining. You will find our abode is on a crust twenty-three miles thick, the cooled scum of molten blazing rock beneath, one hundred and sixty times hotter than red-hot iron; and our life is a vortex of changes, kept up by tearing from milk, or flesh, or fruits the atoms of our anatomy to make good the piece-meal wear of what we once called ourselves. You will find that we are kept warm by our unlocking the sunshine from the cellars of food or fuel in which it has been stored after it has ridden upon its beam through space that would take a railway train two hundred and thirty years to cross; and that we are ever in motion, travelling with the earth, with a speed sixty-eight times as great as that of a bullet fired from a rifle.

Your studies will also fill you with interest, as they show you how wonderfully you are made; as they lead you, stage by stage, through the work of building the human frame, from the time of the fertilized ovum cradled in the Graffian vesicle onwards; as they point out the outlay of myriads of nerves, of vessels—blue, red, white and colorless—meandering in leashes over mountain-like organs, valley-like dips, and plain-like surfaces; as they trace the finger of design: as they give every measure even down to the 1-400th part of a line; and as they tell of every function.

Medicine, however, chiefly commends itself because of its utility. It points out the laws of health; how to stamp out the decimating plague, to cause the air or water of a town to be pure, and to promote the salubrity of its people. It takes you on the wings of contagion to its strong holds; shields from its venom; tracks it in its progress; and fits you to enter the lists against it sure of victory. It gives you power over the ills to which flesh is heir. It takes you where Flora spreads her treasure, and down the mines of the earth, and into the noisy shop of the factor, and many a place besides, to cull remedies. It learns you what they can do, when to use them, and how to give them. It speaks of the insane root that takes the reason prisoner; of Kecksy or Conium that killed Socrates; of the finger of Hermes, which is the anima artificum; of the Masch Allah, or "gift of God," that first provokes pleasure, then lulls to rest; of one that in fractional parts arches back the body into the rigid locks of death; of another that relaxes every part; and of very many more. It arms you with the

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