

NATURE'S MIRACLES.

ENERGY.

CHAPTER I.

ENERGY A CONSTANT Q'ANTITY.

To the ordinary mind Energy and Force represent the same thing. And it has not been many years, comparatively, since even scientific men used the words synonymously. Modern chemistry and modern physics make a distinction, and define the two words differently.

"Force" is defined as the cause of motion, or the generator of momentum, while "Energy" is expressed in the motion itself, in its power to do work. Force refers to the causes, while energy refers to work or the capacity to do work. The distinction is one that is difficult to make plain. Strictly defined, Force is any agency that can cause a motion, arrest a motion, or change the direc-