Vol. I.]

HALIFAX, FRIDAY, APRIL 24, 1835.

[No. 15

NATURAL HISTORY.

THE SQUIRREL.

Natural History, (by which we mean an secount of the different productions of nature, whether they belong to the animal, the vegetible, or the mineral kingdom,) is a very plcaant, as well as useful study: we intend, therefore, continuing to give in every number of our little paper, a short piece under this head.

The squirrel is about the size of a small rabbit, with shorter ears, and a beautiful bushy tail, which spreads like a fan, and, when thrown up, covers the whole body.-It is a very beautiful and gentle little animal.

Its food consists of fruits, nuts, and acorns; and it is cleanly, active, and industrious,-just as all boys, and girls, and men, and women, should be.

It lives chiefly on trees, and jumps with surprising activity from one branch to another.

It does not, however, waste all its time in jumping and skipping, and sitting in pretty attitudes; but it is a very prudent and thoughtful animal, and it takes care to colwhen it can find no food.

large branches begin to fork off into small ones: this nest is built with moss, and twigs, only a small opening at the top; and even orbits, their periods, or their nature. this it secures by a sort of covering, or umwhich keeps off all the rum from the nest.—

In Lapland, and the large forests toto change their habitation, and to remove, n vast numbers, from one country to another. Sometimes, thousands of them are seen tocan stop them :- a good lesson for us all to easily frightened by difficulties.

or extensive lakes, they take a very extraor- any very large Eclipses of the Sun. dinary method of crossing them. Upon approaching the banks, and perceiving the

est, each in search of a piece of bark, which answers all the purposes of boats for wafting them over. When the whole company is ready, they boldly commit their little fleet to the waves; every squirrel sitting on his of nature, as mentioned in previous numown piece of bark, and fanning the air with bers, a person may readily understand the its tail to drive the vessel to its desired port. different kinds of air or gas which exist in several miles broad; but it sometimes hap- they are numerous, and represented by long whole navy, and there is a wreck of two or pose them are few, and easily understood three thousand sail. On such occasions, and remembered. the Laplanders gather up the dead bodies, as they are thrown on shore, eat the flesh, commonly termed air than any other suband sell the skins for above a shilling a stance, is composed essentially, as has more

ASTRONOMY.

There are other bodies in the Solar System, besides those we have already described, called Comets. They generally apdients of the atmosphere, its mechanical

ECLIPSES-Every Planet and Moon is The Sun is much larger than the Moon; but able and mineral kingdoms. be diligent and persevering and not to be the Moon being so very near the Earth, ap-When the squirrels meet with broad rivers, this were not the case, we could never have tre, but it is constantly performing an infi-

COMMON THINGS.

NO. 9.-AIR.

By referring back to the simple elements In this manner they sometimes cross lakes nature or are formed by art. For although pens that a sudden gust of wind oversets the and odd words, the elements which com-

The atmosphere, which is perhaps more than once been mentioned, of oxygen and nitrogen; though carbonic acid, hydrogen; carburetted hydrogen, and many other airs or gases, are either constantly or occasionally combined with those two.

pear like Stars, with long tails, or trains of properties are of a most interesting charac-light. They sometimes come very near the ter. Among the mechanical properties of Sun, and sometimes remove from him to a the atmosphere or common air, its weight lect a supply of provisions in the autumn, greater distance than Saturn. No branch perhaps is the most striking and most im-which it lays by against the time of winter, of Astronomy is so imperfect as that which portant. The whole weight of atmosphere relates to comets. These illustrious stran- upon-the earth, is about equal to a quan-It builds its nest in trees, just where the gers, although they attract more curiosity tity of water sufficient to cover the whole of and attention than the regular luminaries of the earth's surface to the depth of thirty Heaven, generally remain so short a time feet. And by considering the earth a globe and dry leaves: these the clever little animal visible to us, are so unequal in their move- of 8,000 miles in diameter, it is easy to calbinds together with great art, so as to make ments, and so eccentric in their courses, that culate how many cubic feet or hogsheads of a safe shelter against the weather. It leaves it is difficult accurately to determine their water would be equal in weight to the atmosphere upon its surface.

The weight of the atmosphere, like the brella, pointed something like a sugar loat, enlightened by the Sun, and casts a shadow weight of every other kind of matter, arises towards that point of the Heavens which is from the attraction of the earth upon it. By Here the animal finds a shelter for itself and opposite the Sun. We will just mention a the weight of air, together with its peneits young from the storms of winter, and simple thing to give you an idea of this—trating nature, it finds its way into almost from the hot rays of the sun in summer. See You have observed when you have been every other substance. Water contains it how this little animal teaches us forethought walking on a fine sunny day, that you have in large quantities, except for which fishes and contrivance, and good management! seen your own shadow cast upon the ground could not live in water. All regetable suband there is scarcely an animal in the world opposite to the Sun; and that if the Sun stances, even the most solid oak, contain that would not,—if we were but wise enough shone to the South of you, your shadow much of it. It is diffused through all ani-to see to it.

It is diffused through all aninothing but an absence of light in the space and circulates in our veins. It undoubtedwards the north, the squirrels are observed hid from the Sun by the dark body which by finds its way far into the depths of the comes between his rays. An Eclipse of the earth, perhaps to its centre. It is hence Sun is produced by the Earth coming in con- evident that common air, besides covering tact with the shadow of the Moon; there- the surface of the earth to the height of gether travelling directly forward, whilst fore when the Sun is eclipsed, we see the forty-five miles or more, is diffused through neither rocks, forests, nor other hindrances dark body of the Moon before the Sun. most other substances in the animal, veget-

Common air not only spreads itself over pears about the same size as the Sun; if the earth's surface, and penetrates to its cennite variety of operations, important to the happiness, and essential to the existence of The 5th chapter of Matthew probably con- every living acting being. It is constantly breadth of the water, they return, as if by tains more sound philosophy than any other upon the march, from the equator to the common consent, into the neighbouring for, writing in any language of the same amount, poles, and from the poles to the equator.