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HALIFAX, FRIDAY, MARCH 6, 1835

[No 8.

NATURAL HISTORY

THE MOLL.

This currous little quadruped seems formme Being meant that no place should be tor. he wholly untenanted. Were we, from our sum consistions to pronounce upon the life of an animal that was never to appear above many advantages that most animals entoy, and America. it is more liberally possessed of others, which they have in a more scapty proportion

slike any other quadruped whatever -Its nose is long and pointed, resembling nat of a hog, but much longer. Its able to discern them; and instead of ears it has only holes in the place. Its neck is so decrainating by a very small short tail, and ned by it. ats legs also are short, that the animal seems to us, at first view, as a mass of flesh covlittle head, and scarce any eyes, legs or though in a much smaller degree tail. The ancients and some of the moderns were of opinion, that the mole was utterly blind; but Derham, by the help of a microscope, plainly discovered all parts of the eye that are known in other animals. The it would have been perpetually liable to ence. injuries, by the falling of the earth into it; annels, by which the animal can draw back of steamboats accommodating almost mil-much gin. But it is a very temperate kind

ger. Indeed, the whole figure and formation. Mechanics resort to it daily, and some of of the mole is most admirably adapted to its them constantly. Our hot coffee, roasted manner of living, and strikingly illustrates beet and rich puddings remind us of it at to live wholly under the earth, as if the the wisdom and skill of the Almighty Crea-

THE LORPEDO

mand, but be always condemned to hunt character. It is distinguished by its short stood and perfectly tanishar and simple, the its prev underneath, and obliged, when and somewhat fleshy tail, and a head nearone it removed from one place to another, ly as large as its body. Its teeth are small be bore its way through a resisting body, we and very sharp. It attains a very latge size. would be apt to assert that such an existence and is said sometimes to weigh nearly 100 must be the most frightful and solitary in na- pounds. Fishermen call it the numb fish In the mole, however, though con- or cramp-fish. They are not very numermaned to all these seeming inconveniences, ous, at least, they are not often taken me discover no signs of wretchedness or dis. Those few are usually caught by the hook No quadruped is fatter, none has a and line, in fishing for cod. They frequent more alock or glossy skin; and though demed sandy coasts, and are found both in Europe

The electrical apparatus, which gives this fish the power of shocking or benubming the The size of the mole is between that animal it touches, consists of small memof the rat and the mouse: but it in no braneous tubes, disposed like hones-comb. recembles either, being an animal and divided by horizontal partitions, into cedirely of a singular kind, and perfectly small cells, which are filled by mucous substance. They are situated between the gills and the forward fins

The power of the torpedo, to benumb animals, enables it not only to secure its food, but to defend itself against enemies Whoever attempts to lay hold of it receives short that the head seems stuck upon the a sudden, paralyzing shock in his arms, and shoulders. The body is thick and round, small fishes, it is said, are completely stun-

Not only the torpedo, and the electrical so lie flat on its belly. Thus it appears eel possess this electrial faculty; it is stated by naturalists, that the African entish and hed with a fine shining black skin, with a several other fishes have the same power,

COMMON THINGS

No. 2. - COMBUSTION

The first time an infant witnesses the burnsmallness of its eyes, which induced the ing of a candle or the fire, he views it with ancients to think it blind, is to the animal a intense interest, and is not satisfied with secpecaliar advantage. A small degree of vi-, ing, but is eager to learn its nature by feelon issufficient for a creature that is destined ing. Putting the finger into a candle is a so live in darkness: a more extensive sight chemical experiment we have probably all would only have served to show the horrors tried, and learned from it an important lesof im prison, while nature had denied it the son. It is only because combustion is commeans of escape. Had this organ been larger, mon, that it is ever viewed with indiffer-

The uses of combustion, like those of evabut nature, to prevent that inconvenience, poration, are too numerous to admit, and has not only made them very small, but has too common to need enumeration. We

the eye whenever it is necessary, or in dan-lions of passengers, are moved by its power-

I half century ago, the process of combustion, although so interesting and so important, was misunderstood, and the theory respecting it exactly wrong, or opposite to This fish is remarkable for its shape and truth. And though it is now well underpresent occasion will not admit of an explanation. It may be given hereafter.

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This is not perhaps a very common name. but the thing is more common than anv other, with the exception of heat | It forms a large, and by far the most interesting part of our atmosphere, much the greatest part of water, a portion of every vegetable from the oak to the mould upon bread, is essential to animal matter, is a part of every mountain and every particle of dust, is comhined with most metals in their ores, gives pungency to acids, and an opposite power to alkalies.

In the atmosphere, it supports life, carries on combustion, changes metals into rust and paints, gives the beautiful colours to our dves, bleaches our linens, carries on fermentation in veast, in bread, in beer and in wine, aids the farmer in preparing his soil, and performs innumerable other services for him, and every other living thing.

HYDROGEN

Another uncommon name, but a very common thing Except the substance last mentioned, it is the only ingredient which composes water and is an essential ingredient in every animal, and vegetable substance. That and oxygen are almost the so's agents in producing a blaze, in the wood or coal fire the candle, the lamp and the cas light. Although an ingredient in water. the common destroyer of combustion, when separated from its oxygen, it is itself highly combustible, and produces the combustion, by again uniting with its oxygen. It is the lightest of all known substances, and is hence used for raising balloons.

The process of separating hydrogen from the oxygen, which together compose water, is simple and easy. It is done by passing the vapor of water through a red hot tron tube, or easier his putting iron filings into water, and adding a little sulphume acid.

What uncommon names for common also covered them with hair. Besides these witness and experience them, every time we things, and there is so much gin mixed with advantages, anatomists mention another, that dispel from our dwellings, the darkness of them -oxygen, hydrogen, nitrogen-and it contributes to its security; namely a certain night or the frost of winter. The thousands would seem for a temperance society too