THE YOUTH'S PRECEPTOR.

Devoted to General Information, Tales, Sketches, Amusements, Poetry, Music, Anecdotes, &c.

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Tanus.-26 consecutive Nos..... 2s. 0d. l'ayable in advance:

The Xouth's Preceptor.

We have to apologise to our patrons for irregui critica and delay in the publication of The Youth's Preceptor. The promising reception which this paper met with in the earlier stages of its existence, induced us to hope that ere this period the subscription list would not only be sufficiently increased to sustain it without liss, but extensive enough to enable us to introduce all the improvements contemplated at the commencement of its publication, The numher of sub-cribers, however, is not adequate to support its continuation at the price for which it is now furnished—and unless a further increase of several hundred be made to the list, its publitation must be discontinued, and the balance returned to those subscribers who have paid in

advance.
The efforts which have been made, in the numbers hitherto published, to render this paper acceptable and beneficial to those for whose by cordial and voluntary expressions of approbation from many of the most respectable and intelligent individuals residing in various parts of the Province; and by an anxious desire for its success manifested on the part of our patrons generally. With such assurances we may still hope that the circulation of the Preceptor will be more extensive, and its character more generally appreciated, as each succeeding number appears; that the wishes of its supporters appears; that the wishes of its supported will be eventually realized, and its influence rendered effective in the cause in which it is intended to co-operate. Meanwhile the succeeding numbers will be issued at convenient intervals until the public estimation of its character can be more definitely ascertained.

When the vast patronage bestowed upon similar periodicals in the United States is considered-the circulation of which is estimated by thousands and tens of thousands, while we must limit our expectations to tens and hundreds-no reasonable objections can be made to the price charged for The Youth's Preceptor, which is comparative y lower than that of any other publication.

The general impression is that such a peri-ical is required for the youth of this Province; and if suitably supported may be made available in the cause of education, intelligence and sound morality. To sustain it at the low price for which it is now published, the Preceptor would require the paronage of from 1800 to 2000 subscribers—allowing 100 from each of 17 Counties, and 300 from the City and County of Halifaz. According to the average popula-tion of each county, the above estimate is far helow what might be expected; and if the henefits which such a publication is adapted to confer on the rising generation, were more kenerally appreciated by School Commissioners, Teachers and Parents, The Youth's Presentation would soon be extensively and permonently established.

pectus, whenever a sufficient patronage is guaranteed. As complete sets of the back numbers remain on hand, new subscribers can be turnished with copies from the commencement of the pittent volume.

AGRICULTURE. (SECOND ARTICLE)

Since our last Article on Agriculture we see that Judge Haliburton, at the anniversary dinner of the Royal Agricultural Society of England, with oxygen. characterised the employment as the ground, whether by the spade or the ing them from each other, and approplough, is simple enough; but it is a priating them in the due proportions, very gross mistake to suppose that in to suit their own support and health. these mechanical operations the art of agriculture entirely consists. However, simple as they may be, they need to be learned: and we confess ourselves quite unable to hold the plough or drive the harrow. It is in the scientific department that we shall eminent men who have maturely in Science, an important part of every studied the subject.

In the first place we invite attention to the nourishment which plants derive from the air. Every one must have observed not only small plants growing on stones, but even bushes and trees amongst them, in places where little or really no soil exists. These plants cannot derive through their roots the substances which support them and promote their growth. It must therefore come from another source, and it has since been discovered that it is from the air.

are invisible, tasteless and inodorous; feel them-except when in a current which we call wind—they are as

each invisible and tasteless by themselves when separated. The proportions in the air are four fifths of nitrogen and one fifth of oxygen; but there are other substances mixed with. it-cheifly water in a state of vapor, and Carbonic Acid-which, although a gas, is composed of Carbon-of which coal and charcoal consict,

Now, wood, or woody matter, conmost simple, the most natural, the sists properly of only Carbon, Hydromost Ancient, and the most honoralle. | gen, and Oxygen. And the two We are gratified by the support of his latter, when combined, form water. opinion, but we cannot concede to In whatever state these substances that of its being the most simple. We may be, and in whatever condition, admit that the mere tilling of the the plants have the power of separat-

We shall now recapitulate what we have in the air.

> Nitrogen invisible gases, Oxygen Hydrogen \

Carbon a solid substance in itself. when uncombined with another.

Our next essay on this subject will attempt to instruct our young readers, be on the sources from which the with an outline of the principles, Carbon is derived, and the manner which we condense, in as plain and that it is absorbed by the plant. In simple a manner as possible, from what the meantime let us remember that has been written by some of the most woody fibre, or Lignine, as it is called plant, is composed of charcoal and the elements that form water.

Natural Wistory.

INTRODUCTION TO THE STUDY OF QUADRUPEDS, OR OF THE CLASS MAMMALIA, ON SCHENTIFIC PRIN-CIPLES. ADAPTED FOR YOUTH.

ORDER III.—CARNIVORA.

(Continued from No 14, page 109.; Having spoken thus generally of the Cheiroptera, or family of Buts, a family throughout which there prevails a marked uniformity, notwithstanding those dif-The air is composed of two gases, ferences on which minor divisions are called Oxygen and Nitrogen. These instituted, we shall proceed to introduce the next family to the notice of our reabut although we cannot see them or ders. It is termed Insectivora, or the feel them—except when in a current Insectivorous Family, because it comprehends those animale whose food is especially insects, or at least those whole We submit the above for the consideration of the public generally; and if its continuation is desired, the regular publication of this paper will be resumed agreeably to the terms of Pros. which is itself composed of two gases, clusively; since smaller animals and