products of the soil. This, upon a close investigation, will be found to be the most favourable feature of the whole matter; and it would be well, for those whose circumstances would admit of such an arrangement, to engage in the business, upon a respectable scale, for the purpose of ascertainiag the catact cost of producing a certain quantity of sugar from the maphe. In an average of seazons it will be fumed, that the profits on making maple sugar will be cqual to fifty per cent. on its value. The only correct method of determining the real value and importance of any particular agricultural prodect, is for the producer to note down carefally every item of cost, which should be based strietly upon the interest of invested capital, and the value of labour and board, and in the vicinity in which the experiment or operation is made. We yenture the opinion, that if this cxedlent rule be acted upon, the manufacture of ithaple sugar will show, on an ancrage of yars, as large a net profit as that of any vilher branch of farm labour.

The single item of sugar alune, costs this colony many hundred thousamd pouads amually, which has to $h$ : paid for pincipally in cash. If only half the quatity required for constimption be produced at hoine, it would be a saving of a large sum of money, which would be retained in circulation among the producing and commercial clases, and thus bencfit every branch, of industry. Without fartherattempting to show the advantages of manfacturing sugar from our mapic furests, to supply either the whole or a part of the demand for home consumption, we shall, in as bricf a manner as posslble, give some plain, practical directions, which, for convenience sake, will appear uuder their difierent heads or departments :-

Tapring pae Trees.-This operation is performed in a variciy of waya, but the one, in every particular the least objectionable, is that of using the augur. The instrument should not be more than three-quartess of an inch bore, and the hole in the tree should not exeeed three-fourths of an inch. The spiles oulget to be so constructed, thax they would fit the hole so completely, on the edge next to the
bark of the tree, that not the slightest particle of sap would be wasted; whilst the inner point of the spile should be beveled so as to allow the sap to freely press between the spile and the edge of the bore in the tree. They should be from 12 to 20 inches in length, having a fourth of an inch hole in the centre of the point that enters the tree, through which the sap will pass to the channel gouged ont in the centre of the upper sufface of the spile. It will require some pains and labour to make spiles of this lsind, but when properly made, they will last many years. In using the augror, the hole shoudd have an inclination upwards, so that the water, after the sugar season is over, will not lodge in it, and thus cause that payt of the tree to decay. On most trees a three-fourtas of an inch angur hule will grow up in four years, and as soon as this is the case the tree may be retapped in the same place. On large trees from two to three taps may be made leading to the same vessel, and the spiles should be made of various lengths, to be $s^{\text {lapted }}$ for that parpose. By employing the augar and the hollow spile, the air; yill be completely excluded from the incission in the tree, and, besider, no sap will be lost.

Apranates for Bohnsg.-When the business of sugar making is carried on upon a pretty large scale, the best appararis for boiling down the sap that can be employed is one or more large sized potash kettles, set in an arcls of stones. More sap can be craporated in vessels of this kind than any other, unless perfeetly flat-bottomed boilers be used, such as are cmployed in many salt works. Boilers may be made of sheets of iron, about seven feet long, two feet wide, and two feet deep, which, if set in an arch, will be found very efficient in boiling down or cvaporating sap. The ends and sides may be made of well-seasoned boards, and, by a little care in the construction of the arch, the wood may be completely protected from the action of fire. A house for boiling sap is very desirable, as it will enable the business to be prosecuted both night and day, if it should be required. The most convenient method of supplying the boilers with a regelar supply of $\operatorname{sap}$ is to place a long trough or vessel direcity alöngside or over them, from withich a smill tep,

