ny; and in the north-western parts of Germany and so much smoke was evolved, that the sun appeared Holland, it may be seen more or less several times quite red, and the light was completely obscured

in each year.

The phenomenon in these localities is ascribed to the periodical burnings which the moors under-duced by the volcanoes, inasmuch as we find that the beginning of May they are set on fire, and so active volcano consists of the vapours of water arranged that they shall smoulder as far as possi- mixed with sand and ashes, which soon sink to the ble, without bursting into flame. By this process ground; but when we consider the immense extent an immense volume of smoke is produced, as it has of surface covered and inflamed by the lava (sevenbeen calculated that the weight of substances burnt teen viilages were destroyed), and considering that and carried up into the air must be at least equal the earth itself seemed to be on fire in the interior to 1800 millions of pounds. When this immense of the island, we can easily account for the im-quantity of smoke is driven away by the wind, it mense volumes of smoke. The summer of 1783

the ground; but if we look down from a mountain sons. on to a town or village situated in a valley, we shall so as often to fill the whole valley. The phenome-greater or less degree. Whether the Indian sum-non is however more perceptible when the air is mer, so well known on this continent, depends on dry than when moist; because the fine particles of similar causes, is a question on which we shall charcoal which form the smoke absorb water, if make a few remarks in our next article. any quantity be present in the air, and thus becoming heavier, they more readily sink to the ground.
That the dry fogs in Holland and Westphalia are

caused by the burning of the moors, is fully proved the smoke can be brought by the prevailing winds.

The dry fog of 1834, which was so remarkable, these enemies of the farmer. was most probably caused by the fearful fires which occurred during the summer, both in moors and forests. A large moor in Bavaria was burnt eight feet deep, and the fire extended under the ditches; immense conflagrations also took place in the forests of the Harz, in Prussia, Russia, Silesia, and Sweden. The summer was exceeding dry (it Is celebrated for its wine), which accounts for the long continuance of the smoke, and the rapidity long continuance of the smoke, and the rapidity western districts may be but little known. Thus, with which it spread itself over so great an extent in some parts of the Prince Edward District, the of country.

viz., the volcanic cruptions that occurred in Ice-except in gardens. Many weeds, as the plant just land and which may be reckoned as among the mentioned, have been introduced from other counmost considerable that have been recorded. Earth-tries, and have become naturalized where the soil quakes were observed from the 1st of June; and and other circumstances are favourable to their about the 11th, a quantity of smoke rose from the growth. Some of them spread slowly, and are ground in the northern part of the island, and three perhaps still confined to the vicinities in which they immense columns of fire were produced, which were first grown; while others increase rapidly, were visible for more than a hundred miles. The and have extended their range over the greater rapours, that it was dark at mid-day. Immense quantities of red-hot lava were poured forth, and on agriculture. The most useful arrangement for filled up the former beds of rivers. The quantity the farmer is that in which they are divided into of lava thus emitted was calculated to be sufficient two classes, according to the time required to com

near the mountains.

We cannot consider the smoke as directly progo in order to fit them for producing crops. About the dark column which rises from the crater of an produces the phenomenon of the dry fog. was also a remarkably dry one, and hence there We might imagine that it would be impossible may have been added to the above cause as many for smoke to be carried so far, without settling to moor and forest fires as usually occur in such sea-

In conclusion, we may safely assert that the find that in the morning the air is quite clear, and peculiar phenomena known under the name of dry objects can be seen with perfect distinctness; as fogs, are caused by the presence of a quantity of soon as the fires begin to be lighted, a thin cloud smake in the atmosphere; and that wherever very of smoke intercepts our view, which increases extensive fires take place, especially of moors or during the day, and instead of sinking to the woods, which produce large quantities of smoke, ground at length attains a very considerable depth, we may expect to observe similar appearances in a

H. C.

THE WEEDS OF AGRICULTURE.

by the coincidence in the periods, and by the fact ing to his request, with the botanical names of the that the fog is only seen in those places to which long to ms request, with the fog is only seen in those places to which commonest weeds of this country, I shall take the opportunity of adding a few general remarks upon

The prevailing weeds vary in different localities, according to the nature of the soil, situation, elimate, &c. Those which are most abundant in one neighbourhood, may be rare plants or perhaps even unknown in another. Hence, in the subjoined list, many may be omitted which in other parts of the province are exceedingly common, and others inserted which to the farmers of the eastern and poisonous Datura Stramonium, Thorn-apple, or With regard to the phenomenon of 1783, we Jamestown weed, is a common and well-known have another cause producing so gigantic an effect, weed, but in this neighbourhood it is seldom seen,

to form a mountain six times as large as Mont plete the period of their vegetation, because it points Blanc. Shortly afterwards, a subterranean fire out to a certain extent the means to be adopted took place in the interior of the island, accompa- for their destruction. The first class comprehends nied by shocks of earthquakes. From these causes the annual and biennial plants. The annual lives