

and begets in the farmer a sort of Horticultural neatness.—*Gardener's Journal.*

THE PLOUGH.—It is not known where he that invented the plough was born, nor where he died : yet he has effected more for the happiness of the world than the whole race of heroes and conquerors who have drenched it with blood, and whose birth, parentage, and education has been handed down to us with a precision precisely proportionate to the mischief they have done.

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SEASON FOR PLOUGHING.—Land which is composed in part of clay, or what is called a stiff soil, should be ploughed in the fall and laid as light as possible, so as to expose it to the action of frost which will pulverize and subdue it ; and insects will then be destroyed by exposure to the rigors of winter. But arable land, which is sandy and porous should lie and consolidate till spring. —*New England Farmer.*

ROTATION OF CROPS.—The *first principle*, or fundamental point of rotation is, that every plant exhausts the soil. The *second*, that all plants do not exhaust the soil equally. The *third*, that plants of different kinds do not exhaust the soil in the same manner. The *fourth*, that all plants do not restore to the soil the same quantity, nor the same quality of manure. The *fifth*, that all plants are not equally favorable to the growth of weeds.

The following consequences are drawn, from these fundamental principles :

First. However well a soil may be prepared, it cannot long nourish crops of the same kind in succession without becoming exhausted.

Second. Every crop impoverishes a soil more or less, according, as more or less is restored to the soil by the plant cultivated.

Third. Perpendicular rooting plants, and such as root horizontally, ought to succeed each other.

Fourth. Plants of the same kind should not return too frequently in a rotation.

Fifth. Two plants favorable to the growth of weeds ought not to succeed each other.

Sixth. Such plants as eminently exhaust the soil, as the grains and oil plants, should only be sown when the land is in good heart.

Seventh. In proportion as the soil is found to exhaust itself by successive crops, plants which are least exhausting ought to be cultivated.—*Farmer's Reporter.*