

PROGRAMME N° 8.

AGRICULTURE.

I.

1. Object and utility of lessons in agriculture.
2. Conditions necessary to successful germination.
3. Names of the different kinds of soil.
4. Substances of which different soils are composed ; define those that impart valuable properties to the soil.
5. Influences of sub-soil on the quality of land ;—sloping land.

II.

6. Modes of improving the soil.
7. Distribution of crops ; its principle.
8. Organic fertilizers ; principal fertilizers of this class.
9. Particulars about the relative properties of fertilizers, and methods of application to the soil.
10. Fermentation of manures ; method of obtaining the best results.
11. Mineral fertilizers ;—kinds of soils which derive benefit from the application of lime ;—utility of plaster.
12. Object to be kept in view in the improvement of stock, and the best methods to insure success.
13. Choice of breeding stock ;—care which should be bestowed on the sanitary condition of animals.

III.

14. Care which should be taken in selecting a farm ;—what its size should be.
15. Buildings necessary to a farm ;—their arrangement.
16. Principal agricultural implements, and description of their essential parts.
17. Drainage ; its utility ;—best method to be employed.
18. What constitutes good ploughing ; size and depth of the furrow, and size of the beds.
19. Best time for ploughing, and the reasons which should induce a farmer to avail himself of it ;—object of harrowing.
20. Rotation of crops ;—the most common system employed.
21. Fallow land ; benefits to be derived from fallow, and the method usually employed.

IV.

22. Care which should be taken in selecting seed, and the benefits to be derived from an occasional change.