LIMITATION OF THE PROBLEM.

There are three great classes of phosphatic fertilizers, viz.: 1, the untreated rock phosphate; 2, natural, or raw and steamed bone, and bone products; and 3, acidulated products.

There is no problem connected with the method of application of rock phosphates. They are applied in large quantities, and apparently must be so applied in order to bring results; and hence, of necessity, are distributed broadcast when the soil is bare of crop. To a somewhat lesser degree this is true of the bone products. The acidulated phosphates are, therefore, the products with which this paper is most concerned. Typically, they are applied in small quantity, and usually on the basic principle of fertilizing the immediate crop rather than of benefiting the rotation.

POSSIBLE METHODS OF APPLICATION.

The effect of method of application must be rigorously separated from that of time of application. The latter problem may be and doubtless is important, but it is not within the scope of this paper.

1 Contribution from the Massachusetts Agricultural Experiment Station. Read at the meeting of the Society held at Washington, D. C., November 20, 1922.
2 Director.