THE RELATION OF EAR CHARACTERS OF CORN TO YIELD.¹

C. C. CUNNINGHAM,
KANSAS STATE AGRICULTURAL COLLEGE, MANHATTAN, KANS.

INTRODUCTION.

Throughout the corn-belt states farmers have been taught in the selection of seed corn to select ears that approach as nearly as possible a standard size, rather rough in type, with covered tips, well-rounded butts, and deep, uniform kernels properly proportioned as regards their other dimensions. While most of these characters are undoubtedly more or less desirable in good seed corn, the relative importance of the various characters as related to yield per acre has not yet been definitely established.

At the Ohio station, Williams² studied the relation of a number of the more prominent ear characters to yield. Long ears were compared with short ears, cylindrical ears with tapering ones, ears having well-filled tips with ears from which the tip of the cob protruded at

¹ Received for publication February 15, 1916.