

of meridian lines, and it is hoped that every county will join in carrying out the project which is of such practical importance to the land-owners throughout the state.

COLLECTION AND DETAILED INVESTIGATION OF THE MINERALS, ROCKS AND FOSSILS.

Both for the preliminary and for the more complete investigation of the mineral resources of the state, a careful study of the different minerals, rocks and fossils is essential. In order that this may be done, a large collection for comparative purposes must be started. It is the plan of the survey to bring together at its headquarters as complete a representation of the minerals, rocks and fossils as is possible; and each will be subjected to a critical examination in the light of modern research, and its bearing upon the interpretation of the geology of the state fully ascertained. The determination and correlation of the several formations are so largely dependent upon the mineralogical character of the rocks and their contained fossils that it becomes a matter of the greatest moment for future economic purposes to fully understand them, although they may not always be of direct practical importance when viewed by themselves. The specimens collected will be carefully labelled and classified as the result of the examinations to which they will be subjected, thus affording the student in geology, the architect, the engineer, or the investor a complete knowledge of the rock formations within the state. It is desirable that the state should make provision for the proper exhibition in some public place of this material after it has been fully studied by the State Survey. At the same time much duplicate material will be brought together which can serve a useful purpose in the various educational institutions of the state, and can also be sent to those persons without the state who are desirous of more intimate knowledge of its geology and mineral resources than can be gathered from published reports.

THE PREPARATION OF GEOLOGICAL AND ECONOMIC MAPS.

The platting of the geological data upon maps cannot be satisfactorily undertaken until after detailed investigation has been accorded