

❧ P R E F A C E . ❧

THE present little work is intended to have a twofold object—to furnish the young Student with useful exercises in applying Algebra to Geometry, and to put within his reach an easy and ready means of obtaining the Solution of the most Practical Problems of Elementary Geometry, especially of those respecting the construction, measurement and division of plane figures. A good many of the Formulas presented in the following pages, may be used advantageously in ordinary cases of Land Surveying, as the laying out, the dividing of lands, and the calculating of their content.

The Author having in mind not to present an extensive and expensive book on the subject, has omitted to insert the process of operations which brought him to the General Formulas contained therein. His doing so affords moreover the Student the advantage of verifying by himself the correctness of these Formulas, and therefore of exercising himself in Algebraic Investigations.

No Geometrical Figures are drawn ; but the Problems and their Solutions are given with sufficient clearness to be plainly understood by the Student, who may very easily construct the figure corresponding to the given Problems, according to the special cases.

On account of the practical nature of this little book on the one hand, and its cheapness on the other, the Author is in hopes that it will be received and found convenient in Institutions where Mathematical Sciences are taught.

L.P.P.