CONTENTS.

1

PART III.

STEREOMETRY AND PLANIMETRY.

SECT.		PAGE
1.	Polyhedra. Theory of Laminæ. Frustum. Prisma- toid. Prismoldal Formula. Applications	100
2.	Closed Cone. Frustum. Cyllnder. Sphere. Zone and	
	Segment.	124
3.	Special Processes. A. Spatial Figures generated by Translation of a Plane Figure. Pyramid. Cone. Sphere. Groin, etc. B. Figures of Revolution. C. Mean Centre of Area. Theorems. Guidinus'	
	Theorem for Volumes	132
4.	Areas of Surfaces. Developable Surfaces. Cone. Cyllnder. Sphere. Mean Centre of Figure. Guldi-	
	nus' Theorem for Surfaces	155

PART IV.

PROJECTIONS AND SECTIONS.

1.	Perspective Projection. Various Projections. Vanishing	
	Theorem	165
2.	Plane Sections of the Cone. Classification of Conlcs.	
	Degraded Forms. Common Propertles. Foci and	
	Directrices. Special Study of Ellipse. Theorems of	
	Apollonius. The Parabola	175
3.	Spheric Sections. General Ideas of Spherio Geometry.	
	Spheric Line. Pole and Equator. Lune. Spheric	
	Triangle. Polar Triangle. Properties of Spheric	
	Triangles. Spherical Excess. Superposability and	
	Symmetry. Cases of Amblguity	197