

**ELEMENTS OF  
DESCRIPTIVE  
GEOMETRY**

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Elements of Descriptive Geometry by Charles E. Ferris

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**CHARLES E. FERRIS**

**ELEMENTS OF  
DESCRIPTIVE  
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ELEMENTS  
OF  
DESCRIPTIVE GEOMETRY

BY  
CHARLES E. FERRIS  
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CHARLES E. FERRIS

## PREFACE.

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**I**NQUIRY among the leading draftsmen shows that nearly all their work is done in the third quadrant, or angle. It seems reasonable, therefore, to teach the subject of Descriptive Geometry in our technical schools as it will be used by our graduates. Many years of experience teaching this subject proves to the author that the student may learn to think with his problem below the horizontal and behind the vertical and perpendicular planes, just as well as above and in front of those planes.

A large number of the practical examples given in the text were assigned to cadets at the United States Naval Academy. It is believed that they will serve well to illustrate the principles of Descriptive Geometry.

C. E. F.

University of Tennessee,  
Knoxville, Sept. 1, 1904.





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