

# AN INTRODUCTION TO THE STUDY OF METALLURGY

PROF. SIR W. ROBERTS-AUSTEN

GRIFFIN'S METALLURGICAL SERIES



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## AN INTRODUCTION TO THE STUDY

# METALLURGY.

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"I rather open, than discover things."

MONTAIGNE'S ESSAYS (1580).

"No doctrine of any importance can be transferred in a matured shape into any man's understanding from without: it must arise by an act of genesis within the understanding itself."

DE QUINCEY (1823).

" To know

Rather consists in opening out a way
Whence the imprisoned splendour may escape,
Than in effecting entry for a light
Supposed to be without."

BROWNING'S "PARACELSUS" (1835).



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TO THE

#### HON. SIR C. W. FREMANTLE, K.C.B.,

DEPUTY-MASTER OF THE MINT.

For more than twenty years there have been few things, except this dedication, about which I have not consulted you. The book embodies the results of many investigations conducted in the Mint during that period, and the encouragement you have always given to research, and your interest in its progress, have been most helpful. This is, however, only one of the many reasons why this slender gift is so gladly offered to you, as it is now, with the sincere friendship of

THE AUTHOR.