

**THE PRIVATE BOOK OF USEFUL
ALLOYS AND MEMORANDA
FOR GOLDSMITHS,
JEWELLERS, ETC.**

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The Private Book of Useful Alloys and Memoranda for Goldsmiths, Jewellers, Etc. by James E. Collins

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JAMES E. COLLINS

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THE
PRIVATE BOOK
OF
Useful Alloys and Memoranda
FOR
GOLDSMITHS, JEWELLERS, ETC.

BY JAMES E. COLLINS,
CIVIL AND MECHANICAL ENGINEER.



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