

**TRANSACTIONS OF THE NORTH OF
ENGLAND INSTITUTE OF MINING AND
MECHANICAL ENGINEERS. GENERAL
& SUBJECT-MATTER INDICES. VOLS. I
TO XXXVIII.-1852 TO 1889**

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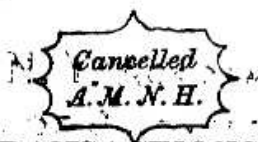
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M. WALTON BROWN

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TRANSACTIONS

OF

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OF

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4

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