

PREFACE

There are several thousand problems in the text from which a judicious selection should be made for a first course. This will leave new material for review. The ideal review in Arithmetic, any more than in any other subject, does not mean simply a *repetition* of what has been previously learned, but rather a *new* view of ground formerly traversed—either looked at from a different standpoint or freshened by the introduction of new material. There is but little vitality in solving the same old problems in the same old way.

All pupils in the same grade are not on the same level either in attainment or ability, and thus, if habits of indolence or mischief are not to be encouraged, exercises supplementary to the minimum required of all pupils should be provided for the more capable. Many problems of the text which are too difficult for the ordinary public school pupil will be valuable for this purpose, and if so used may tend to avert “arrested development” on the part of the rapid worker or the more brilliant in the class.

The necessity of keeping this book in small compass has in many cases caused a conciseness of statement beyond what is desirable in ordinary solution. A few errors were discovered in the first edition of the Arithmetic. These have been corrected in the second edition and the answers in the handbook are based on this edition. It is possible that in spite of the care exercised there may still appear some errors which have escaped notice. Information in regard to these will be gratefully received.

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